#### In this edition...

One of the challenges of investing in biotech is that minimising risk and maximising return does not come easily. It is possible to find lower risk investments. However, the upside is often a fraction of what is obtainable with a high risk investment. Tough disease areas such as stroke, or more precisely, neuropotection are high risk. But then, this a great example of what biotech can be about, where the aim is to tackle a very poorly met need, and maybe, just maybe, generate a winning drug.

Our major focus in this edition is on Neuren Pharmaceuticals, from New Zealand, which is one of a small number of companies that are working on drugs for neuroprotection. This comprehensive analysis is well worth reading.

#### The editors

	Bioshares Portfolio
Year 1 (May '01 - May '02)	21.2%
Year 2 (May '02 - May '03)	-9.4%
Year 3 (May '03 - May '04)	70.0%
Year 4 (May '04 - May '05)	-16.3%
Year 5 (May '05 - May '06)	77.8%
Year 6 (from 5 May '06)	-7.9%
Cumulative Gain	156%
Average Annual Gain	22.6%

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# Bioshares

4 August 2006 Edition 178

Delivering independent investment research to investors on Australian biotech, pharma and healthcare companies.

## Neuren Pharmaceuticals – Developing Broad Clinical Program; But Why the Discount?

Neuren Pharmaceuticals (NEU: 50 cents) is now making clear progress with its suite of neuroprotectant compounds. A Phase III trial in patients undergoing cardiac surgery (including coronary artery bypass graft surgery (CABG) and heart valve surgery) is set to begin in the next few months. Its second compound for treating traumatic brain injuring has just completed Phase I safety studies. And the third most advanced program, a compound to potentially treat patients with Parkinson's disease, has just been selected and will move into the clinic next year after completing toxicology studies. For a company capitalised at \$56 million and with \$7 million in the bank, Neuren is a stock that is deserving of greater investor attention.

## Parkinson's an attractive therapeutic space

Developing therapeutics for Parkinson's disease is an attractive drug development area. With at least 12 drugs currently on the market and the mechanism of action someone characterized and accepted - the damage or loss of dopamine producing cells that transmit signals to produce smooth movement of muscles - there is arguably less risk in progressing such a program where accepted animal models yields data that has shown to correlate with human use.

Existing drugs on the market are limited in their effect and improvements in current therapies are strongly needed. Levodopa, approved in 1970, is the gold standard treatment. The compound breaks down in the brain into dopamine, although the drug needs to be taken in large quantities and has side effects such as nausea and

involuntary movements. Many of the other existing drugs work to improve the action of levedopa and none of these therapies work to stop the progression of the disease.

Neuren's orally available lead compound just selected for its Parkinson's program has produced positive results recently in an accepted animal model and the drug may also have applications for the treatment of Alzheimer's disease.

## Preclinical studies with Glypromate & NNZ-2566

#### Glypromate

One of the appealing features of Neuren is the extensive array of preclinical testing conducted with Glypromate and the company's lesser advanced compounds. Glypromate has shown to offer broad neuronal protection in rat models from several types of injuries. The company has established that protection is dose dependent, with a middle optimal dose. The compound has shown to offer protection for up to 11 hours after injury. It has shown to protect various regions of the brain. It has shown that Glypromate moves into the cerebral spinal fluid, although only when the brain is injured. It has shown the compound to offer long term recovery and to be effective against various toxins and under oxidative stress conditions.

Glypromate has also shown efficacy in preclinical models for multiple sclerosis, showing a pronounced reduction in severity of illness. Also it has shown to be effective in a Parkinson's rat model. The mechanism of action has been elucidated

Cont'd over

- Neuren cont'd

as acting on the NMDA receptor, the metabotropic glutamate receptor and the transciption factor CREB through the NMDA receptors.

In human (clinical) trials, Glypromate has been shown to be safe.

#### NNZ-2566

This peptide is an analogue of Glypromate that has displayed some improved qualities. It has shown to have a better stability profile than Glypromate, more potent as a neuroprotectant agent in *in vitro* studies. In *in vivo* trials, the compound has shown to block ischemic seizure activity. In May this year, the **US Army** presented results from trials with NNZ-2566 in reducing nonconvulsive seizures in a rat model. The Army's **Walter Reed Army Institute of Research** had previously produced positive animal data in reducing traumatic brain injury through IV delivery of NNZ-2566. Neuren's in-house studies have also produced positive data with the compound's efficacy in an animal model in both oral and IV delivery forms.

#### Lead Program - Phase III study with Glypromate

Neuren is anticipating commencement of its 520 patient Phase III trial by the end of this year. The trial will be conducted in Australia, New Zealand and the US, although predominantly in Australasia. An appealing aspect of this trial is that the company believes the Phase III study can be completed for approximately \$10 million.

There are three reasons for this. Firstly, trials conducted in Australasia will be approximately 70% of the cost of running a similar trial in the US. Further, recruitment of trial participants is not expected to be problematic because of the large numbers of patients each year undergoing cardiac surgery. For example, at the Alfred Hospital in Melbourne alone, each year about 1,000 people undergo coronary artery bypass graft surgery.

#### Trial design feature

Also, because each patient is their own control, smaller numbers of patients are required for this study than traditionally used in most Phase III trials. Patients will be tested for cognitive function before cardiac surgery and also monitored and tested after surgery to see what impact dosing has on preventing cognitive decline.

There is substantial evidence that small blood clots (emboli) form during the surgical procedure that lodge in the brain and damage neurons. These emboli form from particulate matter released when cutting the aorta and other arteries and when the arteries are rejoined, damage also occurs from the passage of oxygen bubbles into the blood stream and from cytokines released because of inflammation occurring during the procedure. A large study by others involving 261 patients showed that 24% of patients undergoing CABG experience cognitive decline six months after the surgery.

The first round of efficacy results from this Neuren's trial will take about 18 months to produce (mid 2008).

Cont'd over

#### A discounted stock?

Neuren has a number of appealing features with its structure and it's worth understanding the reasons for the stock being heavily discounted by the market. Companies with compounds moving into Phase III clinical studies that are seeking to enter markets valued in excess of \$1 billion are commonly valued in excess of \$250 million, both in Australia and the US. So why is Neuren being valued at only one fifth of that at present?

Why has the Neuren share price been discounted? There are three likely reasons:

Being based on the other side of the Tasman introduces a higher level of risk for investors as there is a perceived difficulty in conducting regular site visits.

The **lead compound** has **moved** from clinical safety studies **without measuring any efficacy data**. This approach has been discussed with and accepted by the US FDA.

Thirdly, developing neuroprotectant compounds has been shown to be very difficult.

While there is a neuroprotectant drug, Memantine, that provides mild efficacy in patients with Alzheimer's disease, and Riluzole has been approved for treating amyotrophic lateral sclerosis, at least 14 compounds have failed in Phase III trials in protecting patients who have suffered acute ischemic stroke. There are currently no neuroprotectant drugs approved for the treatment of stroke or cognitive decline associated with cardiac surgery.

However, there are a number of factors that make Neuren an attractive investment consideration.

Firstly, the company has **a wide portfolio** of neuroprotective compounds (and an oncology program) in development.

Further, the company has brought in a **wealth of experience** that is playing an important role in helping to successfully negotiate the drug development process.

The company has a secure and deep patent portfolio underpinning its technologies (see page 4).

There have been **numerous preclinical studies** conducted and published that highlight the efficacy of the company's compounds. And the company has a number of programs advancing through the clinic.

By the end of 2007, it is anticipated the company will have three compounds at the Phase I, Phase II and Phase III stages of development.

#### Neuren cont'd

#### **Second Lead Program in TBI**

#### - Phase I underway (NNZ-2566)

Earlier this year, Neuren started a Phase I safety study for its second program with a compound called NNZ-2566 dosed as an intravenous soultion. This compound is a synthetic analogue of Glypromate, a smaller version that may also be dosed orally. The first indication that this compound will be tested for is in treating moderate traumatic brain injury (TBI). This program is being conducted in conjunction with the US Army and to date this group has contributed to 50% of funding costs.

This study should be completed shortly and a Phase II study is expected to commence and be completed in 2007. A second Phase I study will begin later this year in patients with severe TBI and this will move into a Phase II program that should also be completed next year. The US Army will play an important role in helping to facilitate this clinical program. Whilst the US Army will have rights to use this compound if it gains approval, Neuren will be free to commercialise the drug in global markets.

### Third Program in Parkinson's and Alzheimer's programs - Due to begin Phase I in 2007

As mentioned above, Neuren has recently selected a lead compound (NNZ-2591) that will be trialed in patients afflicted with Parkinson's disease. This compound is an analogue of a group of compounds that have been well studied and documented by others (diketopiperazine compounds) and have been shown to induce neurite growth, positively effect memory function and act as neuroprotective agents. The mechanism of action is not well understood. Neuren believes it has improved the drugabilty of this group of compounds through its analogue which can be orally dosed and has an improved half life in the body.

Small batch quantities have been manufactured and this will now need to be scaled up further prior to clinical trials. A US contract manufacture for the active pharmaceutical ingredient has been selected and toxicology studies in two species will need to be conducted before Phase I trials can begin towards the end of 2007. The cost of goods for manufacture is well within the limits for commercial viability.

The compound may have three applications. These being for treatment of dementia associated with Parkinson's disease, treating the tremors associated with the same disease, and potentially as a therapeutic for Alzheimer's disease.



The NNZ-2256 compound (discussed earlier) is also expected to move into the clinic next year (Phase I study) for chronic treatment of degenerative diseases such as Alzheimer's and Parkinson's diseases, as an oral formulation. Progression of this compound into the clinic should occur earlier than with NNZ-259I above because toxicology studies have been completed (for the TBI application).

At this stage, it is expected that one of the programs for chronic disorders such as Alzheimer's and Parkinson's will be developed in house and the second (NNZ-22591 or oral NNZ-2256) will be partnered out.

By the end of next year, Neuren may have three compounds in clinical studies for five different applications. Currently, it has once compound approaching Phase III trials and a second compound undergoing Phase I safety studies.

#### Competitive landscape for neuroprotectant compounds

As mentioned, there are no neuroprotectant drugs approved for the treatment of stroke, TBI or cognitive decline associated with cardiac surgery. Below is a list of some of the neuroprotectants in later stage clinical trials.

NXY-059, being developed by **Renovis/AstraZeneca**, has recently produced strong evidence of efficacy in a Phase III trial in treating acute ischemic stroke. NXY-059,is a 'free radical trapping' agent. Enrolments in these companies' second Phase III trial in 3,200 patients have been completed and Renovis/AstraZeneca expect to file an NDA in 2007.

Citicoline has been on the market in Europe and Japan for sev-

Neuren's expected clinical program in December 2007

Compound	Application	Stage of development	Partners
Glypromate	Neuroprotection in patients undergoing coronary surgery	Phase III trials underway	Independent
NNZ-2566	Moderate TBI	Phase II underway	US Army
NNZ-2566	Severe TBI	Phase II underway	US Army
NNZ-2591	Parkinson's disease	Phase I underway	Independent/partner
NNZ-2566 oral	Parkinson's or Alzheimer's	Phase I underway	Independent/partner

#### - Neuren cont'd

eral years. Four Phase III studies have been completed although the results have been variable and inconclusive and an additional Phase III trial is planned. The compound works by reducing lipid metabolism after an ischemic stoke, which is believed to reduce the level of free acids and thereby cutting the level of free radical production.

Glypromate works as an antagonist of the NMDA receptor. Magnesium ions are known to gate the NMDA receptor channel as well and currently magnesium sulphate is in a Phase III study sponsored by the NIH as a neuroprotectant in stroke and CABG surgery.

**Alexion Pharmaceuticals** recently complated has a Phase III trial in patients undergoing angioplasty with its antibody drug, Pexelizumab. The drug did not achieve statistical significance in reducing mortality.

#### The Neuren team

Neuren has enlisted a particularly impressive team to commercialise its products. The company's Chief Medical Officer and Director, Doug Wilson, has brought 10 drugs to market in his career with **Boehringer Ingelheim** in the US and globally. He has been involved in over 100 US FDA meetings and has presented at five FDA Advisory Committee meetings. He is playing a leading role in guiding the company's clinical trial design and in conjunction with the FDA. This experience is unparalleled in any Australian biotech company.

The head of the company's US operations is Lawrence Glass. He formerly ran a 250 person contract research organization and has a long and close relationship with the US Army, which has been particularly useful in furthering the company's traumatic brain injury clinical program with the US Army.

The company also employs a team us US-based consultants to help the company with issues relating to reimbursement, toxicology work, regulatory affairs and manufacturing. The Neuren team is confidently led by the company's CEO, David Clarke.

#### The Neuren patent estate

Neuren has a very tight patent portfolio surrounding its leading program with Glypromate. Glypromate is a naturally occurring enzyme found in the brain so it is not possible to secure composition of matter claims for this compound. However Neuren has seven 'use' patents granted in the US (Patent numbers: 6,365,573; 5,804,550; 6,187,906; 6,812,208; 6,780,848; 6,617,311; 6,933,282), which expire between 2014 - 2019, that relate to its lead program. In other regions, patents have either being granted or are awaiting examination.

Neuren was recently granted a US patent for its second leading program, NNZ-2566 (Patent Number 7,041,314) which expires in 2021. This patent covers composition of matter and therapeutic uses of Glypromate analogues.

For its other programs, the company has US patents in the examination phase. The company has also in-licensed intellectual property from the University of Auckland which includes two US granted patents (Patent numbers: 6,933,278; 5,858,966) in other program areas.

#### Summary

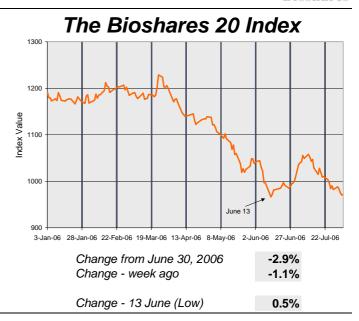
Neuren is making solid progress in developing its suite of neuroprotectant agents. This strong progress is expected to continue into 2007, with three compounds scheduled to be in clinical trials in five separate programs. The company has a secure patent estate, strong management, and a broad suite of products in its area of expertise, neuroprotection.

Over the next 18 months several significant milestones will occur that should elevate investor interest in this stock. A key risk for the company remains funding, with only \$7 million in cash. The area of focus for the company also presents an additional risk, with few neuroprotectant drugs on the market and the field littered with an array of late stage clinical failures.

Bioshares recommendation: Speculative Buy Class A

**Bioshares** 

Bioshares Model Portfolio (4 August 2006)				
Company Price (current) Price added				
		portfolio		
Acrux	\$0.86	\$0.83		
Agenix	\$0.16	\$0.22		
Alchemia	\$0.96	\$0.67		
Avexa	\$0.245	\$0.15		
Biolayer	\$0.16	\$0.195		
Bionomics	\$0.17	\$0.210		
Biosignal	\$0.17	\$0.22		
Cytopia	\$0.705	\$0.46		
Chemgenex Pharma.	\$0.51	\$0.38		
Evogenix	\$0.575	\$0.47		
GroPep	\$1.47	\$1.43		
Optiscan Imaging	\$0.545	\$0.35		
Neuren Pharmaceuticals	\$0.50	\$0.70		
Pharmaxis	\$1.98	\$1.90		
Prima Biomed	\$0.069	\$0.09		
Sirtex Medical	\$2.35	\$1.95		



#### 4.7B Reporting Companies – Cash Balances June 30, 2006 Commentary

The majority of listed life science companies are required to file cash flow statements with the ASX on a quarterly basis. This provides investors with a means to monitor the financial health of cash depleting biotech firms on more timely basis than is available through half yearly and annual reporting requirements.

A key analytical measure we present is the 'Survival Index' (SI). The index is derived by dividing a company's annual or annualised net operational cash into the company's cash balance. The index measures how many years those cash reserves will last, based on the company's recent spending patterns. It is limited because it does not account for companies that may ramp up spending in the next period of activity.

As a rule of thumb, companies that present with an SI of less than one are likely to be raising funds to support their activities, or are in the process of doing so. A healthy SI is either two or more. Companies with SIs of less then 0.5 may be in positions of funding stress and should therefore be investigated cautiously by investors.

For the June quarter 2006, we have tabulated the cash positions of 88 listed life science companies. One company, **Panbio** has moved out of this list, as it has satisfied the ASX requirement of posting four consecutive quarters of positive operational cash flows. One other company, **Denx**, has been excluded as it is in the process of transferring its principle asset to a US company, **Actuality Systems**, in exchange for a shareholding. In out last analysis of company cash positions (Bioshares 165) we calculated a Survival Index for Denx of 0.2, or a little more than 2 months of cash to cover net operational spending based in recent spending patterns. It therefore comes as no surprise that the company has opted to sell its dental implant technology to another party, after exhausting other funding avenues.

Of the 88 companies, 41 recorded SIs of less than one, with 18 having less than 6 months cash at hand.

#### **Receipts**

Several companies are worth noting for the income they have been generating. (Please note that cash flow statements do not distinguish sales from other revenue). **Sirtex Medical** tops the list with annual cash receipts for the year of \$21 million. **Genetic Technologies** with receipts of \$8.9 million was mentioned in last week's Bioshares. **Medec**, **Cygenics**, and **Eastland Medical Systems** posted receipts of \$8.5 million, \$8 million and \$7.4 million respectively. These full results will be worth examining when released.

Top Ten 4.7B Companies Ranked by Receipts

Code	Company	Receipts	Cash	Survival
			End	Index
			30/06/06	
1 SRX	Sirtex Medical	\$21.0	\$10.8	Not App
2 GTG	Genetic Technologies	\$8.9	\$11.9	2.0
3 MAA	Medec	\$8.5	\$5.7	5.2
4 CYN	Cygenics	\$8.0	\$5.7	1.1
5 EMS	Eastland Medical Systems	\$7.4	\$0.9	Not App
6 SIE	Scigen	\$7.4	\$5.7	0.7
7 PAA	Pharmaust	\$5.6	\$0.3	0.1
8 BGN	Bresagen	\$5.5	\$0.2	0.1
9 CST	Cellestis	\$5.4	\$13.9	4.9
10 PXL	Proteome Systems	\$5.0	\$6.1	0.7
				•

Also worth noting are two companies with what appears to be very low SIs, **Pharmaust** and **Bresagen**. Cash generating companies such as these can often run much lower cash balances, so their SI figures are not necessarily reliable indicators of their financial health.

#### **Stressed Companies**

There are a number of companies that according to our Survival Index calculations are facing either very difficult or uncertain futures. **Rockeby biomed** and **Norwood Abbey** had, as of June 30, effectively run out of cash, with both companies registering '0' SIs. Rockeby has informed the market that it has access to a \$\$600,000 banking facility. Norwood Abbey plans to sell-off or licence its eyecare division, sell part of its holding in **Norwood Immunology**, "aggressively" commercialise its needle-free drug delivery technology and also plans to finalise a funding package.

**Probiomics**, with an SI of 0.1 has, since June 30, raised \$850,000. **Benitec**, also with an SI of 0.1, has announced a share purchase plan to raise a minimum of \$500,000. The directors of **RiTract** (SI - 0.2) have announced plans to issue convertible notes for up to \$2.5 million, to be partially underwritten by the directors. **Resonance Health** (SI - 0.2) launched a right issue to raise \$1.5 million, but this has subjected to a stop order by ASIC. **Bone Medical** (SI - 0.2) plans to raise \$2 million through a placement. Another convertible note was issued by **Living Cell Technologies** (SI - 0.5) to raise \$1.2 million, with a further \$0.8 million raised through a placement.

Other companies to raise funds since June 30 include **Mesoblast**, which raised \$15 million through a placement, **Psivida** (SI - 0.7), which issued \$8.5 million in subordinated convertible debentures and **Premier Bionics** (SI - 0.2), which raised \$1.1 million through a placement in the UK.

Note: Small cap life science companies that are not required to comply with the 4.7B Rule include:

Agenix, Anadis, Biota, Circadian, Clovercorp, Compumedics, Chemgenex Pharmaceuticals, Cytopia, Eiffel Technologies, Ellex Medical Lasers, Gropep, IDT Australia, ITL Corp, Life Therapeutics, Metabolic Pharmaceuticals, Meditech Research, Medical Developments International, Novogen, Optiscan Imaging, Panbio, Progen Industries, Polartechnics, Phosphagenics, Peptech, Ventracor, Virax Holdings and Zenyth Therapeutics - (27 companies)

# **4.7B Reporting Companies – Cash Balances June 30, 2006**Sorted by Survival Index

Life Science Companies - Cash Balances June 30, 2006

Life Science Companies - Cash Balances June 30, 2006

Code Company	Cash End 30/06/06 (\$M)	Survival Index	Code Co
1 NDL NeuroDiscovery	\$2.8	Not App	56 CUV
2 EMS Eastland Medical Systems	\$0.9	Not App	57 PRR
3 SRX Sirtex Medical	\$10.8	Not App	58 PSD
4 PXS Pharmaxis	\$97.8	7.1	59 HTX
5 CTE Cryosite	\$1.3	6.4	60 SHC
6 BZI Brainz**	\$9.0	5.4	61 SIE
7 MAA Medec	\$5.7	5.2	62 PXL
8 CST Cellestis	\$13.9	4.9	63 SLA
9 BOD BioMD	\$2.7	4.8	64 OBJ
10 CXD CathRx	\$10.4	4.6	65 AVP
11 BOS Biosignal 12 HTW Heartware	\$4.9 \$34.3	3.7	66 UNI 67 PSX
13 GAA Genepharm	\$ა4.ა \$15.0	3.7	68 SAH
14 GIA Giaconda	\$4.3	3.1	69 SOM
15 BPH Biopharmica	\$2.7	3.1	70 OMI
16 PEP Peplin	\$31.2	2.6	71 BLS
17 ACG Atcor	\$11.8	2.6	72 VSG
18 BIT Biotron	\$4.6	2.6	73 LCT
19 NLS Narhex Life Sciences	\$4.8	2.6	74 EQX
20 BRC Brain Resource Corp	\$3.9	2.6	75 ACU
21 MSB Mesoblast	\$7.9	2.5	76 PBI
22 BPO BioProspect	\$1.8	2.4	77 BNE
23 ACR Acrux	\$19.7	2.4	78 RHT
24 AVX Avexa	\$20.2	2.3	79 MGZ
25 DIA Dia-B Tech	\$2.8	2.3	80 RTL
26 UCM USCOM	\$7.2	2.3	81 BGN
27 ANP Antisense Therap.	\$8.2	2.1	82 MDM
28 NEU Neuren Pharmaceuticals 29 XBL Xceed Biotech	\$7.4	2.0	83 BLT
	\$5.2 \$11.9	2.0	84 PAA
30 GTG Genetic Technologies 31 AVS Avastra	\$3.7	1.9	85 PCC 86 ALT
32 SPL Starpharma	\$14.3	1.9	87 NAL
33 CGS Cogstate	\$2.7	1.8	88 RBY
34 GBL Genesis Biomedical	\$2.2	1.8	00 RB1
35 TIS Tissue Therapies	\$3.9	1.6	
36 IMU Imugene	\$2.7	1.6	
37 ACL Alchemia	\$26.2	1.6	
38 CMQ Chemeq	\$28.8	1.5	
39 EGX Evogenix	\$5.8	1.4	
40 SLT Select Vaccines	\$0.9	1.4	
41 PLD Portland Orthopaedics	\$4.6	1.4	
42 ABI Ambri	\$6.2	1.3	
43 CYN Cygenics	\$5.7	1.1	
44 IMI IM Medical	\$2.4	1.1	
45 BNO Bionomics	\$4.7	1.1	
46 BDM Biodiem	\$2.9	1.0	
47 CAU Colltech	\$1.7 \$2.6	1.0	
48 PYC Phylogica 49 SBP Solbec Pharm.	\$2.6 \$1.3	0.9	
50 MTY Medical Therapies	\$1.3 \$2.4	0.9	
51 CCE Clinical Cell Culture	\$8.6	0.9	
52 PBT Prana Biotechnology	\$10.1	0.9	
53 AOP Apollo Life Sciences	\$5.0	0.8	
54 STI Stirling Products	\$1.8	0.8	
55 AOS Advanced Ocular Systems	\$1.7	0.8	
•	•		

Code C	ompany	Cash End 30/06/06 (\$M)	Survival Index
56 CUV	Clinuvel Pharmaceuticals	\$8.6	0.8
57 PRR	Prima Biomed	\$3.2	0.7
58 PSD	pSiVida	\$15.5	0.7
59 HTX	Healthlinx	\$1.4	0.7
60 SHC	Sunshine Heart	\$4.5	0.7
61 SIE	Scigen	\$5.7	0.7
62 PXL	Proteome Systems	\$6.1	0.7
63 SLA	Solagran	\$1.1	0.7
64 OBJ	OBJ	\$0.6	0.7
65 AVP	Acuron	\$1.5	0.6
66 UNI	Unilife	\$4.0	0.6
67 PSX	Psiron	\$3.4	0.6
68 SAH	Salus Technologies	\$0.4	0.6
69 SOM	Somnomed	\$2.3	0.6
70 OMI	Occup.& Medical Innov.	\$1.2	0.6
71 BLS	Biolayer	\$1.3	0.5
72 VSG	Visiomed	\$0.9	0.5
73 LCT	Living Cell	\$3.0	0.5
74 EQX	Eqitx	\$0.7	0.4
75 ACU	Avantogen	\$2.1	0.2
76 PBI	Premier Bionics	\$0.8	0.2
77 BNE	Bone Medical	\$0.5	0.2
78 RHT	Resonance Health	\$0.6	0.2
79 MGZ	Medigard	\$0.1	0.2
80 RTL	RiTract	\$0.4	0.2
81 BGN		\$0.2	0.1
82 MDM	Medical Monitors	\$0.1	0.1
83 BLT	Benitec	\$0.9	0.1
84 PAA	Pharmaust	\$0.3	0.1
85 PCC	Probiomics	\$0.2	0.1
86 ALT	Analytica	\$0.1	0.1
87 NAL	Norwood Abbey	\$0.7	0.0
88 RBY	Rockeby Biomed	\$0.042	0.0
	Total	¢500.0	

Total	\$590.9	
Average	\$6.7	1.6

<sup>\*\*</sup>BZI net operational cash flow figure is nine months annualised

#### 4.7B Reporting Companies – Cash Balances June 30, 2006 Sorted by Cash

Life Science Companies - Cash Balances June 30, 2006

Life Science Companies - Cash Balances June 30, 2006

Code Company         Cash End 30/06/06 (\$M)         Surrival Index (\$M)           1 PXS Pharmaxis         \$97.8         7.1           2 HTW Heartware         \$34.3         3.7           3 PEP Peplin         \$31.2         2.6           4 CMQ Chemeq         \$28.8         1.5           5 ACL Alchemia         \$26.2         1.6           6 AVX Avexa         \$20.2         2.3           7 ACR Acrux         \$19.7         2.4           8 PSD pSIVida         \$15.5         0.7           9 GAA Genepharm         \$15.0         3.3           10 SPL Starpharma         \$14.3         1.9           11 CST Cellestis         \$13.9         4.9           12 GTG Genetic Technologies         \$11.9         2.0           13 ACG Attor         \$11.8         2.6           14 SRX Sirtex Medical         \$10.8         Not App           15 CXD CathRx         \$10.4         4.6           16 PBT Prana Biotechnology         \$10.1         0.9           17 BZI Brainz**         \$9.0         5.4           18 CUV Clinuvel Pharmaceuticals         \$8.6         0.8           19 CCE Clinical Cell Culture         \$8.6         0.8           20 ANP Antisense Therap.		•	Balariocs our	, , , , , , , , , , , , , , , , , , , ,
SMD   1 PXS	Code	Company		
1 PXS         Pharmaxis         \$97.8         7.1           2 HTW         Heartware         \$34.3         3.7           3 PEP         Peplin         \$31.2         2.6           4 CMQ         Chemeq         \$28.8         1.5           5 ACL         Alchemia         \$26.2         1.6           6 AVX         Avexa         \$20.2         2.3           7 ACR         Acrux         \$19.7         2.4           8 PSD         pSiVida         \$15.5         0.7           9 GAA         Genepharm         \$15.0         3.3           10 SPL         Starpharma         \$14.3         1.9           11 CST         Cellestis         \$13.9         4.9           12 GTG         Genetic Technologies         \$11.9         2.0           13 ACG         Atoor         \$11.8         2.6           14 SRX         Sirtex Medical         \$10.8         Not App           15 CXD         CathRx         \$10.4         4.6           16 PBT         Prana Biotechnology         \$10.1         0.9           17 BZI         Brainz***         \$9.0         5.4           18 CUV         Clinical Cell Culture         \$8.6         0.8				Index
2 HTW Heartware         \$34.3         3.7           3 PEP         Peplin         \$31.2         2.6           4 CMQ Chemeq         \$28.8         1.5           5 ACL         Alchemia         \$26.2         1.6           6 AVX         Avexa         \$20.2         2.3           7 ACR         Acrux         \$19.7         2.4           8 PSD         pSiVida         \$15.5         0.7           9 GAA         Genepharm         \$15.0         3.3           10 SPL         Starpharma         \$14.3         1.9           11 CST         Cellestis         \$13.9         4.9           12 GTG         Genetic Technologies         \$11.9         2.0           13 ACG         Atcor         \$11.8         2.6           14 SRX         Sirtex Medical         \$10.8         Not App           15 CXD         CathRx         \$10.4         4.6           16 PBT         Prana Biotechnology         \$10.1         0.9           17 BZI         Brainz**         \$9.0         5.4           18 CUV         Clinical Cell Culture         \$8.6         0.8           19 CE         Clinical Cell Culture         \$8.6         0.9	4.50/0			
3 PEP   Peplin   \$31.2   2.6				
4 CMQ         Chemeq         \$28.8         1.5           5 ACL         Alchemia         \$26.2         1.6           6 AVX         Avexa         \$20.2         2.3           7 ACR         Acrux         \$19.7         2.4           8 PSD         pSiVida         \$15.5         0.7           9 GAA         Genepharm         \$15.0         3.3           10 SPL         Starpharma         \$14.3         1.9           11 CST         Cellestis         \$13.9         4.9           12 GTG         Genetic Technologies         \$11.9         2.0           13 ACG         Atoor         \$11.8         2.6           14 SRX         Sito.8         Not App           15 CXD         CathRx         \$10.4         4.6           16 PBT         Prana Biotechnology         \$10.1         0.9           17 BZI         Brainz**         \$9.0         5.4           18 CUV         Clinucel Pharmaceuticals         \$8.6         0.8           19 CCE         Clinical Cell Culture         \$8.6         0.9           20 ANP         Antisense Therap.         \$8.2         2.1           21 MSB         Mesoblast         \$7.9         2.5				
5 ACL         Alchemia         \$26.2         1.6           6 AVX         Avexa         \$20.2         2.3           7 ACR         Acrux         \$19.7         2.4           8 PSD         pSiVida         \$15.5         0.7           9 GAA         Genepharm         \$15.0         3.3           10 SPL         Starpharma         \$14.3         1.9           11 CST         Cellestis         \$13.9         4.9           12 GTG         Genetic Technologies         \$11.9         2.0           13 ACG         Atcor         \$11.8         2.6           14 SRX         Sirtex Medical         \$10.8         Not App           15 CXD         CathRx         \$10.4         4.6           16 PBT         Prana Biotechnology         \$10.1         0.9           17 BZI         Brainz**         \$9.0         5.4           18 CUV         Clinical Cell Culture         \$8.6         0.8           19 CCE         Clinical Cell Culture         \$8.6         0.9           20 ANP         Antisense Therap.         \$8.2         2.1           21 MSB         Mesoblast         \$7.9         2.5           22 NEU         Neuren Pharmaceuticals				
6 AVX         Avexa         \$20.2         2.3           7 ACR         Acrux         \$19.7         2.4           8 PSD         pSiVida         \$15.5         0.7           9 GAA         Genepharm         \$15.0         3.3           10 SPL         Starpharma         \$14.3         1.9           11 CST         Cellestis         \$13.9         4.9           12 GTG         Genetic Technologies         \$11.9         2.0           13 ACG         Atcor         \$11.8         2.6           14 SRX         Sirtex Medical         \$10.8         Not App           15 CXD         CathRx         \$10.4         4.6           16 PBT         Prana Biotechnology         \$10.1         0.9           15 CXD         CathRx         \$10.4         4.6           16 PBT         Prana Biotechnology         \$10.1         0.9           15 CXD         CathRx         \$10.4         4.6           16 PBT         Prana Biotechnology         \$10.1         0.9           17 BZI         Brainsert**         \$9.0         5.4           18 CUV         Clinusel Pharmaceuticals         \$8.6         0.8           19 CCE         Clinical Cell Culture<				
7 ACR         Acrux         \$19.7         2.4           8 PSD         pSiVida         \$15.5         0.7           9 GAA         Genepharm         \$15.0         3.3           10 SPL         Starpharma         \$14.3         1.9           11 CST         Cellestis         \$13.9         4.9           12 GTG         Genetic Technologies         \$11.9         2.0           13 ACG         Atcor         \$11.8         2.6           14 SRX         Sirtex Medical         \$10.8         Not App           15 CXD         CathRx         \$10.4         4.6           16 PBT         Prana Biotechnology         \$10.1         0.9           17 BZI         Brainiz**         \$9.0         5.4           18 CUV         Clinivael Pharmaceuticals         \$8.6         0.8           19 CCE         Clinical Cell Culture         \$8.6         0.8           19 CCE         Clinical Cell Culture         \$8.6         0.8           19 CCE         Clinical Cell Culture         \$8.6         0.8           20 ANP         Antisense Therap.         \$8.2         2.1           21 MSB         Mesoblast         \$7.9         2.5           22 NEU				
8 PSD         pSiVida         \$15.5         0.7           9 GAA         Genepharm         \$15.0         3.3           10 SPL         Starpharma         \$14.3         1.9           11 CST         Cellestis         \$13.9         4.9           12 GTG         Genetic Technologies         \$11.9         2.0           13 ACG         Atcor         \$11.8         2.6           14 SRX         Sirtex Medical         \$10.8         Not App           15 CXD         CathRx         \$10.4         4.6           16 PBT         Prana Biotechnology         \$10.1         0.9           17 BZI         Brainz**         \$9.0         5.4           18 CUV         Clinuvel Pharmaceuticals         \$8.6         0.8           19 CCE         Clinical Cell Culture         \$8.6         0.9           20 ANP         Antisense Therap.         \$8.2         2.1           21 MSB         Mesoblast         \$7.9         2.5           22 NEU         Neuren Pharmaceuticals         \$7.4         2.0           23 UCM         USCOM         \$7.2         2.3           24 ABI         Ambri         \$6.2         1.3           25 PXL         Proteome S				
9 GAA Genepharm \$15.0 3.3 10 SPL Starpharma \$14.3 1.9 11 CST Cellestis \$13.9 4.9 12 GTG Genetic Technologies \$11.9 2.0 13 ACG Atcor \$11.8 2.6 14 SRX Sirtex Medical \$10.8 Not App 15 CXD CathRX \$10.4 4.6 16 PBT Prana Biotechnology \$10.1 0.9 17 BZI Brainz** \$9.0 5.4 18 CUV Clinuvel Pharmaceuticals \$8.6 0.8 19 CCE Clinical Cell Culture \$8.6 0.9 20 ANP Antisense Therap. \$8.2 2.1 21 MSB Mesoblast \$7.9 2.5 22 NEU Neuren Pharmaceuticals \$7.4 2.0 23 UCM USCOM \$7.2 2.3 24 ABI Ambri \$6.2 1.3 25 PXL Proteome Systems \$6.1 0.7 26 EGX Evogenix \$5.8 1.4 27 SIE Scigen \$5.7 0.7 28 CYN Cygenics \$5.7 1.1 29 MAA Medec \$5.7 5.2 30 XBL Xceed Biotech \$5.2 2.0 31 AOP Apollo Life Sciences \$4.8 2.6 34 BNO Bionomics \$4.7 1.1 35 BIT Biotron \$4.6 2.6 36 PLD Portland Orthopaedics \$4.6 1.4 37 SHC Sunshine Heart \$4.5 0.7 38 GIA Giaconda \$4.3 3.1 39 UNI Unilife \$4.0 0.6 40 TIS Tissue Therapies \$3.9 1.6 41 BRC Brain Resource Corp \$3.9 2.6 42 AVS Avastra \$3.7 1.9 48 DIA Dia-B Tech \$2.2 8.7 48 BOD Biohdd \$2.7 4.8 50 IMU Imugene \$2.7 1.6 51 BPH Biopharmica \$2.7 1.6 51 BPH Biopharmica \$2.7 1.8 52 MTY Medical Therapies \$2.4 0.9				
10 SPL Starpharma				
11 CST         Cellestis         \$13.9         4.9           12 GTG         Genetic Technologies         \$11.9         2.0           13 ACG         Atcor         \$11.8         2.6           14 SRX         Sirtex Medical         \$10.8         Not App           15 CXD         CathRX         \$10.4         4.6           16 PBT         Prana Biotechnology         \$10.1         0.9           17 BZI         Brainz**         \$9.0         5.4           18 CUV         Clinuvel Pharmaceuticals         \$8.6         0.8           19 CCE         Clinical Cell Culture         \$8.6         0.9           20 ANP         Antisense Therap.         \$8.2         2.1           21 MSB         Mesoblast         \$7.9         2.5           22 NEU         Neuren Pharmaceuticals         \$7.4         2.0           23 UCM         USCOM         \$7.2         2.3           24 ABI         Ambri         \$6.2         1.3           25 PXL         Proteome Systems         \$6.1         0.7           26 EGX         Evogenix         \$5.8         1.4           27 SIE         Scigen         \$5.7         0.7           28 CYN         Cygenic				
12 GTG         Genetic Technologies         \$11.8         2.6           13 ACG         Atcor         \$11.8         2.6           14 SRX         Sirtex Medical         \$10.8         Not App           15 CXD         CathRx         \$10.4         4.6           16 PBT         Prana Biotechnology         \$10.1         0.9           17 BZI         Brainz**         \$9.0         5.4           18 CUV         Clinuvel Pharmaceuticals         \$8.6         0.8           19 CCE         Clinical Cell Culture         \$8.6         0.9           20 ANP         Antisense Therap.         \$8.2         2.1           21 MSB         Mesoblast         \$7.9         2.5           22 NEU         Neuren Pharmaceuticals         \$7.4         2.0           23 UCM         USCOM         \$7.2         2.3           24 ABI         Ambri         \$6.2         1.3           25 PXL         Proteome Systems         \$6.1         0.7           26 EGX         Evogenix         \$5.8         1.4           27 SIE         Scigen         \$5.7         0.7           28 CYN         Cygenics         \$5.7         0.7           28 CYN         Cygenics<				
13 ACG         Atcor         \$11.8         2.6           14 SRX         Sirtex Medical         \$10.8         Not App           15 CXD         CathRX         \$10.4         4.6           16 PBT         Prana Biotechnology         \$10.1         0.9           17 BZI         Brainz**         \$9.0         5.4           18 CUV         Clinuvel Pharmaceuticals         \$8.6         0.8           19 CCE         Clinical Cell Culture         \$8.6         0.9           20 ANP         Antisense Therap.         \$8.2         2.1           21 MSB         Mesoblast         \$7.9         2.5           22 NEU         Neuren Pharmaceuticals         \$7.4         2.0           23 UCM         USCOM         \$7.2         2.3           24 ABI         Ambri         \$6.2         1.3           25 PXL         Proteome Systems         \$6.1         0.7           26 EGX         Evogenix         \$5.8         1.4           27 SIE         Scigen         \$5.7         0.7           28 CYN         Cygenics         \$5.7         5.2           30 XBL         Xceed Biotech         \$5.2         2.0           31 AOP         Apollo Life Scien				
14 SRX         Sirtex Medical         \$10.4         4.6           15 CXD         CathRx         \$10.4         4.6           16 PBT         Prana Biotechnology         \$10.1         0.9           17 BZI         Brainz**         \$9.0         5.4           18 CUV         Clinuvel Pharmaceuticals         \$8.6         0.8           19 CCE         Clinical Cell Culture         \$8.6         0.9           20 ANP         Antisense Therap.         \$8.2         2.1           21 MSB         Mesoblast         \$7.9         2.5           22 NEU         Neuren Pharmaceuticals         \$7.4         2.0           23 UCM         USCOM         \$7.2         2.3           24 ABI         Ambri         \$6.2         1.3           25 PXL         Proteome Systems         \$6.1         0.7           26 EGX         Evogenix         \$5.8         1.4           27 SIE         Scigen         \$5.7         0.7           28 CYN         Cygenics         \$5.7         1.1           29 MAA         Medec         \$5.7         5.2           30 XBL         Xceed Biotech         \$5.2         2.0           31 AOP         Apollo Life Sciences </td <td></td> <td></td> <td></td> <td></td>				
15 CXD         CathRx         \$10.4         4.6           16 PBT         Prana Biotechnology         \$10.1         0.9           17 BZI         Brainz**         \$9.0         5.4           18 CUV         Clinical Cell Culture         \$8.6         0.8           19 CCE         Clinical Cell Culture         \$8.6         0.9           20 ANP         Antisense Therap.         \$8.2         2.1           21 MSB         Mesoblast         \$7.9         2.5           22 NEU         Neuren Pharmaceuticals         \$7.4         2.0           23 UCM         USCOM         \$7.2         2.3           24 ABI         Ambri         \$6.2         1.3           25 PXL         Proteome Systems         \$6.1         0.7           26 EGX         Evogenix         \$5.8         1.4           27 SIE         Scigen         \$5.7         0.7           28 CYN         Cygenics         \$5.7         1.1           29 MAA         Medec         \$5.7         5.2           30 XBL         Xceed Biotech         \$5.2         2.0           31 AOP         Apollo Life Sciences         \$5.0         0.8           32 BOS         Biosignal	13 ACG		\$11.8	2.6
16 PBT         Prana Biotechnology         \$10.1         0.9           17 BZI         Brainz**         \$9.0         5.4           18 CUV         Clinuvel Pharmaceuticals         \$8.6         0.8           19 CCE         Clinical Cell Culture         \$8.6         0.9           20 ANP         Antisense Therap.         \$8.2         2.1           21 MSB         Mesoblast         \$7.9         2.5           22 NEU         Neuren Pharmaceuticals         \$7.4         2.0           23 UCM         USCOM         \$7.2         2.3           24 ABI         Ambri         \$6.2         1.3           25 PXL         Proteome Systems         \$6.1         0.7           26 EGX         Evogenix         \$5.8         1.4           27 SIE         Scigen         \$5.7         0.7           28 CYN         Cygenics         \$5.7         0.7           28 CYN         Cygenics         \$5.7         1.1           29 MAA         Medec         \$5.7         5.2           30 XBL         Xceed Biotech         \$5.2         2.0           31 AOP         Apollo Life Sciences         \$5.0         0.8           32 BOS         Biosignal				
17 BZI         Brainz**         \$9.0         5.4           18 CUV         Clinuvel Pharmaceuticals         \$8.6         0.8           19 CCE         Clinical Cell Culture         \$8.6         0.9           20 ANP         Antisense Therap.         \$8.2         2.1           21 MSB         Mesoblast         \$7.9         2.5           22 NEU         Neuren Pharmaceuticals         \$7.4         2.0           23 UCM         USCOM         \$7.2         2.3           24 ABI         Ambri         \$6.2         1.3           25 PXL         Proteome Systems         \$6.1         0.7           26 EGX         Evogenix         \$5.8         1.4           27 SIE         Scigen         \$5.7         0.7           28 CYN         Cygenics         \$5.7         1.1           29 MAA         Medec         \$5.7         5.2           30 XBL         Xceed Biotech         \$5.2         2.0           31 AOP         Apollo Life Sciences         \$5.0         0.8           32 BOS         Biosignal         \$4.9         4.4           33 NLS         Narhex Life Sciences         \$4.8         2.6           34 BNO         Bioromics				
18 CUV         Clinuvel Pharmaceuticals         \$8.6         0.8           19 CCE         Clinical Cell Culture         \$8.6         0.9           20 ANP         Antisense Therap.         \$8.2         2.1           21 MSB         Mesoblast         \$7.9         2.5           22 NEU         Neuren Pharmaceuticals         \$7.4         2.0           23 UCM         USCOM         \$7.2         2.3           24 ABI         Ambri         \$6.2         1.3           25 PXL         Proteome Systems         \$6.1         0.7           26 EGX         Evogenix         \$5.8         1.4           27 SIE         Scigen         \$5.7         0.7           28 CYN         Cygenics         \$5.7         1.1           29 MAA         Medec         \$5.7         5.2           30 XBL         Xceed Biotech         \$5.2         2.0           31 AOP         Apollo Life Sciences         \$5.0         0.8           32 BOS         Biosignal         \$4.9         4.4           33 NLS         Narhex Life Sciences         \$4.8         2.6           34 BNO         Bionomics         \$4.7         1.1           35 BIT         Biotron				
19 CCE         Clinical Cell Culture         \$8.6         0.9           20 ANP         Antisense Therap.         \$8.2         2.1           21 MSB         Mesoblast         \$7.9         2.5           22 NEU         Neuren Pharmaceuticals         \$7.4         2.0           23 UCM         USCOM         \$7.2         2.3           24 ABI         Ambri         \$6.2         1.3           25 PXL         Proteome Systems         \$6.1         0.7           26 EGX         Evogenix         \$5.8         1.4           27 SIE         Scigen         \$5.7         0.7           28 CYN         Cygenics         \$5.7         0.7           28 CYN         Cygenics         \$5.7         1.1           29 MAA         Medec         \$5.7         5.2           30 XBL         Xceed Biotech         \$5.2         2.0           31 AOP         Apollo Life Sciences         \$5.0         0.8           32 BOS         Biosignal         \$4.9         4.4           33 NLS         Narhex Life Sciences         \$4.8         2.6           34 BNO         Bionomics         \$4.7         1.1           35 BIT         Biotron         \$4.6<	17 BZI		\$9.0	5.4
19 CCE         Clinical Cell Culture         \$8.6         0.9           20 ANP         Antisense Therap.         \$8.2         2.1           21 MSB         Mesoblast         \$7.9         2.5           22 NEU         Neuren Pharmaceuticals         \$7.4         2.0           23 UCM         USCOM         \$7.2         2.3           24 ABI         Ambri         \$6.2         1.3           25 PXL         Proteome Systems         \$6.1         0.7           26 EGX         Evogenix         \$5.8         1.4           27 SIE         Scigen         \$5.7         0.7           28 CYN         Cygenics         \$5.7         0.7           28 CYN         Cygenics         \$5.7         1.1           29 MAA         Medec         \$5.7         5.2           30 XBL         Xceed Biotech         \$5.2         2.0           31 AOP         Apollo Life Sciences         \$5.0         0.8           32 BOS         Biosignal         \$4.9         4.4           33 NLS         Narhex Life Sciences         \$4.8         2.6           34 BNO         Bionomics         \$4.7         1.1           35 BIT         Biotron         \$4.6<	18 CUV			0.8
21 MSB         Mesoblast         \$7.9         2.5           22 NEU         Neuren Pharmaceuticals         \$7.4         2.0           23 UCM         USCOM         \$7.2         2.3           24 ABI         Ambri         \$6.2         1.3           25 PXL         Proteome Systems         \$6.1         0.7           26 EGX         Evogenix         \$5.8         1.4           27 SIE         Scigen         \$5.7         0.7           28 CYN         Cygenics         \$5.7         1.1           29 MAA         Medec         \$5.7         5.2           30 XBL         Xceed Biotech         \$5.2         2.0           31 AOP         Apollo Life Sciences         \$5.0         0.8           32 BOS         Biosignal         \$4.9         4.4           33 NLS         Narhex Life Sciences         \$4.8         2.6           34 BNO         Bionomics         \$4.7         1.1           35 BIT         Biotron         \$4.6         2.6           36 PLD         Portland Orthopaedics         \$4.6         1.4           37 SHC         Sunshine Heart         \$4.5         0.7           38 GIA         Giaconda         \$4.3 <td>19 CCE</td> <td>Clinical Cell Culture</td> <td>\$8.6</td> <td>0.9</td>	19 CCE	Clinical Cell Culture	\$8.6	0.9
22 NEU Neuren Pharmaceuticals         \$7.4         2.0           23 UCM USCOM         \$7.2         2.3           24 ABI Ambri         \$6.2         1.3           25 PXL Proteome Systems         \$6.1         0.7           26 EGX Evogenix         \$5.8         1.4           27 SIE Scigen         \$5.7         0.7           28 CYN Cygenics         \$5.7         1.1           29 MAA Medec         \$5.7         5.2           30 XBL Xceed Biotech         \$5.2         2.0           31 AOP Apollo Life Sciences         \$5.0         0.8           32 BOS Biosignal         \$4.9         4.4           33 NLS Narhex Life Sciences         \$4.8         2.6           34 BNO Bionomics         \$4.7         1.1           35 BIT Biotron         \$4.6         2.6           36 PLD Portland Orthopaedics         \$4.6         1.4           37 SHC Sunshine Heart         \$4.5         0.7           38 GIA Giaconda         \$4.3         3.1           39 UNI Unilife         \$4.0         0.6           40 TIS Tissue Therapies         \$3.9         1.6           41 BRC Brain Resource Corp         \$3.9         2.6           42 AVS Avastra         \$3.7	20 ANP	Antisense Therap.	\$8.2	2.1
23 UCM USCOM         \$7.2         2.3           24 ABI Ambri         \$6.2         1.3           25 PXL Proteome Systems         \$6.1         0.7           26 EGX Evogenix         \$5.8         1.4           27 SIE Scigen         \$5.7         0.7           28 CYN Cygenics         \$5.7         0.7           29 MAA Medec         \$5.7         5.2           30 XBL Xceed Biotech         \$5.2         2.0           31 AOP Apollo Life Sciences         \$5.0         0.8           32 BOS Biosignal         \$4.9         4.4           33 NLS Narhex Life Sciences         \$4.8         2.6           34 BNO Bionomics         \$4.7         1.1           35 BIT Biotron         \$4.6         2.6           36 PLD Portland Orthopaedics         \$4.6         1.4           37 SHC Sunshine Heart         \$4.5         0.7           38 GIA Giaconda         \$4.3         3.1           39 UNI Unilife         \$4.0         0.6           40 TIS Tissue Therapies         \$3.9         1.6           41 BRC Brain Resource Corp         \$3.9         2.6           42 AVS Avastra         \$3.7         1.9           43 PSX Psiron         \$3.4         0.6 <td>21 MSB</td> <td>Mesoblast</td> <td>\$7.9</td> <td>2.5</td>	21 MSB	Mesoblast	\$7.9	2.5
23 UCM USCOM         \$7.2         2.3           24 ABI Ambri         \$6.2         1.3           25 PXL Proteome Systems         \$6.1         0.7           26 EGX Evogenix         \$5.8         1.4           27 SIE Scigen         \$5.7         0.7           28 CYN Cygenics         \$5.7         0.7           29 MAA Medec         \$5.7         5.2           30 XBL Xceed Biotech         \$5.2         2.0           31 AOP Apollo Life Sciences         \$5.0         0.8           32 BOS Biosignal         \$4.9         4.4           33 NLS Narhex Life Sciences         \$4.8         2.6           34 BNO Bionomics         \$4.7         1.1           35 BIT Biotron         \$4.6         2.6           36 PLD Portland Orthopaedics         \$4.6         1.4           37 SHC Sunshine Heart         \$4.5         0.7           38 GIA Giaconda         \$4.3         3.1           39 UNI Unilife         \$4.0         0.6           40 TIS Tissue Therapies         \$3.9         1.6           41 BRC Brain Resource Corp         \$3.9         2.6           42 AVS Avastra         \$3.7         1.9           43 PSX Psiron         \$3.4         0.6 <td>22 NEU</td> <td>Neuren Pharmaceuticals</td> <td>\$7.4</td> <td>2.0</td>	22 NEU	Neuren Pharmaceuticals	\$7.4	2.0
24 ABI       Ambri       \$6.2       1.3         25 PXL       Proteome Systems       \$6.1       0.7         26 EGX       Evogenix       \$5.8       1.4         27 SIE       Scigen       \$5.7       0.7         28 CYN       Cygenics       \$5.7       1.1         29 MAA       Medec       \$5.7       5.2         30 XBL       Xceed Biotech       \$5.2       2.0         31 AOP       Apollo Life Sciences       \$5.0       0.8         32 BOS       Biosignal       \$4.9       4.4         33 NLS       Narhex Life Sciences       \$4.8       2.6         34 BNO       Bionomics       \$4.7       1.1         35 BIT       Biotron       \$4.6       2.6         36 PLD       Portland Orthopaedics       \$4.6       1.4         37 SHC       Sunshine Heart       \$4.5       0.7         38 GIA       Giaconda       \$4.3       3.1         39 UNI       Unilife       \$4.0       0.6         40 TIS       Tissue Therapies       \$3.9       1.6         41 BRC       Brain Resource Corp       \$3.9       2.6         42 AVS       Avastra       \$3.7       1.9				2.3
25 PXL         Proteome Systems         \$5.8         1.4           26 EGX         Evogenix         \$5.8         1.4           27 SIE         Scigen         \$5.7         0.7           28 CYN         Cygenics         \$5.7         1.1           29 MAA         Medec         \$5.7         5.2           30 XBL         Xceed Biotech         \$5.2         2.0           31 AOP         Apollo Life Sciences         \$5.0         0.8           32 BOS         Biosignal         \$4.9         4.4           33 NLS         Narhex Life Sciences         \$4.8         2.6           34 BNO         Bionomics         \$4.7         1.1           35 BIT         Biotron         \$4.6         2.6           36 PLD         Portland Orthopaedics         \$4.6         1.4           37 SHC         Sunshine Heart         \$4.5         0.7           38 GIA         Giaconda         \$4.3         3.1           39 UNI         Unilife         \$4.0         0.6           40 TIS         Tissue Therapies         \$3.9         1.6           41 BRC         Brain Resource Corp         \$3.9         2.6           42 AVS         Avastra	24 ABI	Ambri		1.3
26 EGX       Evogenix       \$5.8       1.4         27 SIE       Scigen       \$5.7       0.7         28 CYN       Cygenics       \$5.7       1.1         29 MAA       Medec       \$5.7       5.2         30 XBL       Xceed Biotech       \$5.2       2.0         31 AOP       Apollo Life Sciences       \$5.0       0.8         32 BOS       Biosignal       \$4.9       4.4         33 NLS       Narhex Life Sciences       \$4.8       2.6         34 BNO       Bionomics       \$4.7       1.1         35 BIT       Biotron       \$4.6       2.6         36 PLD       Portland Orthopaedics       \$4.6       1.4         37 SHC       Sunshine Heart       \$4.5       0.7         38 GIA       Giaconda       \$4.3       3.1         39 UNI       Unilife       \$4.0       0.6         40 TIS       Tissue Therapies       \$3.9       1.6         41 BRC       Brain Resource Corp       \$3.9       2.6         42 AVS       Avastra       \$3.7       1.9         43 PSX       Psiron       \$3.4       0.6         44 PRR       Prima Biomed       \$3.2       0.7     <				0.7
27 SIE         Scigen         \$5.7         0.7           28 CYN         Cygenics         \$5.7         1.1           29 MAA         Medec         \$5.7         5.2           30 XBL         Xceed Biotech         \$5.2         2.0           31 AOP         Apollo Life Sciences         \$5.0         0.8           32 BOS         Biosignal         \$4.9         4.4           33 NLS         Narhex Life Sciences         \$4.8         2.6           34 BNO         Bionomics         \$4.7         1.1           35 BIT         Biotron         \$4.6         2.6           36 PLD         Portland Orthopaedics         \$4.6         1.4           37 SHC         Sunshine Heart         \$4.5         0.7           38 GIA         Giaconda         \$4.3         3.1           39 UNI         Unilife         \$4.0         0.6           40 TIS         Tissue Therapies         \$3.9         1.6           41 BRC         Brain Resource Corp         \$3.9         2.6           42 AVS         Avastra         \$3.7         1.9           43 PSX         Psiron         \$3.4         0.6           44 PRR         Prima Biomed         \$3.2 </td <td>26 EGX</td> <td></td> <td></td> <td>1.4</td>	26 EGX			1.4
28 CYN         Cygenics         \$5.7         1.1           29 MAA         Medec         \$5.7         5.2           30 XBL         Xceed Biotech         \$5.2         2.0           31 AOP         Apollo Life Sciences         \$5.0         0.8           32 BOS         Biosignal         \$4.9         4.4           33 NLS         Narhex Life Sciences         \$4.8         2.6           34 BNO         Bionomics         \$4.7         1.1           35 BIT         Biotron         \$4.6         2.6           36 PLD         Portland Orthopaedics         \$4.6         1.4           37 SHC         Sunshine Heart         \$4.5         0.7           38 GIA         Giaconda         \$4.3         3.1           39 UNI         Unilife         \$4.0         0.6           40 TIS         Tissue Therapies         \$3.9         1.6           41 BRC         Brain Resource Corp         \$3.9         2.6           42 AVS         Avastra         \$3.7         1.9           43 PSX         Psiron         \$3.4         0.6           44 PRR         Prima Biomed         \$3.2         0.7           45 LCT         Living Cell         \$				0.7
29 MAA       Medec       \$5.7       5.2         30 XBL       Xceed Biotech       \$5.2       2.0         31 AOP       Apollo Life Sciences       \$5.0       0.8         32 BOS       Biosignal       \$4.9       4.4         33 NLS       Narhex Life Sciences       \$4.8       2.6         34 BNO       Bionomics       \$4.7       1.1         35 BIT       Biotron       \$4.6       2.6         36 PLD       Portland Orthopaedics       \$4.6       1.4         37 SHC       Sunshine Heart       \$4.5       0.7         38 GIA       Giaconda       \$4.3       3.1         39 UNI       Unilife       \$4.0       0.6         40 TIS       Tissue Therapies       \$3.9       1.6         41 BRC       Brain Resource Corp       \$3.9       2.6         42 AVS       Avastra       \$3.7       1.9         43 PSX       Psiron       \$3.4       0.6         44 PRR       Prima Biomed       \$3.2       0.7         45 LCT       Living Cell       \$3.0       0.5         46 BDM       Biodiem       \$2.9       1.0         47 NDL       NeuroDiscovery       \$2.8       Not				
30 XBL         Xceed Biotech         \$5.2         2.0           31 AOP         Apollo Life Sciences         \$5.0         0.8           32 BOS         Biosignal         \$4.9         4.4           33 NLS         Narhex Life Sciences         \$4.8         2.6           34 BNO         Bionomics         \$4.7         1.1           35 BIT         Biotron         \$4.6         2.6           36 PLD         Portland Orthopaedics         \$4.6         1.4           37 SHC         Sunshine Heart         \$4.5         0.7           38 GIA         Giaconda         \$4.3         3.1           39 UNI         Unilife         \$4.0         0.6           40 TIS         Tissue Therapies         \$3.9         1.6           41 BRC         Brain Resource Corp         \$3.9         2.6           42 AVS         Avastra         \$3.7         1.9           43 PSX         Psiron         \$3.4         0.6           44 PRR         Prima Biomed         \$3.2         0.7           45 LCT         Living Cell         \$3.0         0.5           46 BDM         Biodiem         \$2.9         1.0           47 NDL         NeuroDiscovery				5.2
31 AOP       Apollo Life Sciences       \$5.0       0.8         32 BOS       Biosignal       \$4.9       4.4         33 NLS       Narhex Life Sciences       \$4.8       2.6         34 BNO       Bionomics       \$4.7       1.1         35 BIT       Biotron       \$4.6       2.6         36 PLD       Portland Orthopaedics       \$4.6       1.4         37 SHC       Sunshine Heart       \$4.5       0.7         38 GIA       Giaconda       \$4.3       3.1         39 UNI       Unilife       \$4.0       0.6         40 TIS       Tissue Therapies       \$3.9       1.6         41 BRC       Brain Resource Corp       \$3.9       2.6         42 AVS       Avastra       \$3.7       1.9         43 PSX       Psiron       \$3.4       0.6         44 PRR       Prima Biomed       \$3.2       0.7         45 LCT       Living Cell       \$3.0       0.5         46 BDM       Biodiem       \$2.9       1.0         47 NDL       NeuroDiscovery       \$2.8       Not App         48 DIA       Dia-B Tech       \$2.7       4.8         50 IMU       Imagene       \$2.7       1	30 XBL	Xceed Biotech		2.0
32 BOS       Biosignal       \$4.9       4.4         33 NLS       Narhex Life Sciences       \$4.8       2.6         34 BNO       Bionomics       \$4.7       1.1         35 BIT       Biotron       \$4.6       2.6         36 PLD       Portland Orthopaedics       \$4.6       1.4         37 SHC       Sunshine Heart       \$4.5       0.7         38 GIA       Giaconda       \$4.3       3.1         39 UNI       Unilife       \$4.0       0.6         40 TIS       Tissue Therapies       \$3.9       1.6         41 BRC       Brain Resource Corp       \$3.9       2.6         42 AVS       Avastra       \$3.7       1.9         43 PSX       Psiron       \$3.4       0.6         44 PRR       Prima Biomed       \$3.2       0.7         45 LCT       Living Cell       \$3.0       0.5         46 BDM       Biodiem       \$2.9       1.0         47 NDL       NeuroDiscovery       \$2.8       Not App         48 DIA       Dia-B Tech       \$2.8       2.3         49 BOD       BioMD       \$2.7       4.8         50 IMU       Imagene       \$2.7       1.6 <td></td> <td></td> <td></td> <td></td>				
33 NLS         Narhex Life Sciences         \$4.8         2.6           34 BNO         Bionomics         \$4.7         1.1           35 BIT         Biotron         \$4.6         2.6           36 PLD         Portland Orthopaedics         \$4.6         1.4           37 SHC         Sunshine Heart         \$4.5         0.7           38 GIA         Giaconda         \$4.3         3.1           39 UNI         Unilife         \$4.0         0.6           40 TIS         Tissue Therapies         \$3.9         1.6           41 BRC         Brain Resource Corp         \$3.9         2.6           42 AVS         Avastra         \$3.7         1.9           43 PSX         Psiron         \$3.4         0.6           44 PRR         Prima Biomed         \$3.2         0.7           45 LCT         Living Cell         \$3.0         0.5           46 BDM         Biodiem         \$2.9         1.0           47 NDL         NeuroDiscovery         \$2.8         Not App           48 DIA         Dia-B Tech         \$2.8         2.3           49 BOD         BioMD         \$2.7         4.8           50 IMU         Imagene         \$2.7				
34 BNO       Bionomics       \$4.7       1.1         35 BIT       Biotron       \$4.6       2.6         36 PLD       Portland Orthopaedics       \$4.6       1.4         37 SHC       Sunshine Heart       \$4.5       0.7         38 GIA       Giaconda       \$4.3       3.1         39 UNI       Unilife       \$4.0       0.6         40 TIS       Tissue Therapies       \$3.9       1.6         41 BRC       Brain Resource Corp       \$3.9       2.6         42 AVS       Avastra       \$3.7       1.9         43 PSX       Psiron       \$3.4       0.6         44 PRR       Prima Biomed       \$3.2       0.7         45 LCT       Living Cell       \$3.0       0.5         46 BDM       Biodiem       \$2.9       1.0         47 NDL       NeuroDiscovery       \$2.8       Not App         48 DIA       Dia-B Tech       \$2.8       2.3         49 BOD       BioMD       \$2.7       4.8         50 IMU       Imagene       \$2.7       1.6         51 BPH       Biopharmica       \$2.7       1.6         51 BPH       Biopharmica       \$2.7       1.8				2.6
35 BIT         Biotron         \$4.6         2.6           36 PLD         Portland Orthopaedics         \$4.6         1.4           37 SHC         Sunshine Heart         \$4.5         0.7           38 GIA         Giaconda         \$4.3         3.1           39 UNI         Unilife         \$4.0         0.6           40 TIS         Tissue Therapies         \$3.9         1.6           41 BRC         Brain Resource Corp         \$3.9         2.6           42 AVS         Avastra         \$3.7         1.9           43 PSX         Psiron         \$3.4         0.6           44 PRR         Prima Biomed         \$3.2         0.7           45 LCT         Living Cell         \$3.0         0.5           46 BDM         Biodiem         \$2.9         1.0           47 NDL         NeuroDiscovery         \$2.8         Not App           48 DIA         Dia-B Tech         \$2.8         2.3           49 BOD         BioMD         \$2.7         4.8           50 IMU         Imagene         \$2.7         1.6           51 BPH         Biopharmica         \$2.7         1.8           53 PYC         Phylogica         \$2.6			-	
36 PLD         Portland Orthopaedics         \$4.6         1.4           37 SHC         Sunshine Heart         \$4.5         0.7           38 GIA         Giaconda         \$4.3         3.1           39 UNI         Unilife         \$4.0         0.6           40 TIS         Tissue Therapies         \$3.9         1.6           41 BRC         Brain Resource Corp         \$3.9         2.6           42 AVS         Avastra         \$3.7         1.9           43 PSX         Psiron         \$3.4         0.6           44 PRR         Prima Biomed         \$3.2         0.7           45 LCT         Living Cell         \$3.0         0.5           46 BDM         Biodiem         \$2.9         1.0           47 NDL         NeuroDiscovery         \$2.8         Not App           48 DIA         Dia-B Tech         \$2.8         2.3           49 BOD         BioMD         \$2.7         4.8           50 IMU         Imagene         \$2.7         1.6           51 BPH         Biopharmica         \$2.7         1.8           53 PYC         Phylogica         \$2.6         0.9           54 MTY         Medical Therapies         \$2.4 <td></td> <td></td> <td></td> <td></td>				
37 SHC         Sunshine Heart         \$4.5         0.7           38 GIA         Giaconda         \$4.3         3.1           39 UNI         Unilife         \$4.0         0.6           40 TIS         Tissue Therapies         \$3.9         1.6           41 BRC         Brain Resource Corp         \$3.9         2.6           42 AVS         Avastra         \$3.7         1.9           43 PSX         Psiron         \$3.4         0.6           44 PRR         Prima Biomed         \$3.2         0.7           45 LCT         Living Cell         \$3.0         0.5           46 BDM         Biodiem         \$2.9         1.0           47 NDL         NeuroDiscovery         \$2.8         Not App           48 DIA         Dia-B Tech         \$2.8         2.3           49 BOD         BioMD         \$2.7         4.8           50 IMU         Imagene         \$2.7         1.6           51 BPH         Biopharmica         \$2.7         1.8           53 PYC         Phylogica         \$2.6         0.9           54 MTY         Medical Therapies         \$2.4         0.9				
38 GIA         Giaconda         \$4.3         3.1           39 UNI         Unilife         \$4.0         0.6           40 TIS         Tissue Therapies         \$3.9         1.6           41 BRC         Brain Resource Corp         \$3.9         2.6           42 AVS         Avastra         \$3.7         1.9           43 PSX         Psiron         \$3.4         0.6           44 PRR         Prima Biomed         \$3.2         0.7           45 LCT         Living Cell         \$3.0         0.5           46 BDM         Biodiem         \$2.9         1.0           47 NDL         NeuroDiscovery         \$2.8         Not App           48 DIA         Dia-B Tech         \$2.8         2.3           49 BOD         BioMD         \$2.7         4.8           50 IMU         Imugene         \$2.7         1.6           51 BPH         Biopharmica         \$2.7         1.6           51 BPH         Biopharmica         \$2.7         1.8           53 PYC         Phylogica         \$2.6         0.9           54 MTY         Medical Therapies         \$2.4         0.9				
39 UNI       Unilife       \$4.0       0.6         40 TIS       Tissue Therapies       \$3.9       1.6         41 BRC       Brain Resource Corp       \$3.9       2.6         42 AVS       Avastra       \$3.7       1.9         43 PSX       Psiron       \$3.4       0.6         44 PRR       Prima Biomed       \$3.2       0.7         45 LCT       Living Cell       \$3.0       0.5         46 BDM       Biodiem       \$2.9       1.0         47 NDL       NeuroDiscovery       \$2.8       Not App         48 DIA       Dia-B Tech       \$2.8       2.3         49 BOD       BioMD       \$2.7       4.8         50 IMU       Imugene       \$2.7       1.6         51 BPH       Biopharmica       \$2.7       1.6         51 BPH       Biopharmica       \$2.7       1.8         53 PYC       Phylogica       \$2.6       0.9         54 MTY       Medical Therapies       \$2.4       0.9				
40 TIS         Tissue Therapies         \$3.9         1.6           41 BRC         Brain Resource Corp         \$3.9         2.6           42 AVS         Avastra         \$3.7         1.9           43 PSX         Psiron         \$3.4         0.6           44 PRR         Prima Biomed         \$3.2         0.7           45 LCT         Living Cell         \$3.0         0.5           46 BDM         Biodiem         \$2.9         1.0           47 NDL         NeuroDiscovery         \$2.8         Not App           48 DIA         Dia-B Tech         \$2.8         2.3           49 BOD         BioMD         \$2.7         4.8           50 IMU         Imugene         \$2.7         1.6           51 BPH         Biopharmica         \$2.7         3.1           52 CGS         Cogstate         \$2.7         1.8           53 PYC         Phylogica         \$2.6         0.9           54 MTY         Medical Therapies         \$2.4         0.9				
41 BRC       Brain Resource Corp       \$3.9       2.6         42 AVS       Avastra       \$3.7       1.9         43 PSX       Psiron       \$3.4       0.6         44 PRR       Prima Biomed       \$3.2       0.7         45 LCT       Living Cell       \$3.0       0.5         46 BDM       Biodiem       \$2.9       1.0         47 NDL       NeuroDiscovery       \$2.8       Not App         48 DIA       Dia-B Tech       \$2.8       2.3         49 BOD       BioMD       \$2.7       4.8         50 IMU       Imugene       \$2.7       1.6         51 BPH       Biopharmica       \$2.7       3.1         52 CGS       Cogstate       \$2.7       1.8         53 PYC       Phylogica       \$2.6       0.9         54 MTY       Medical Therapies       \$2.4       0.9				
42 AVS       Avastra       \$3.7       1.9         43 PSX       Psiron       \$3.4       0.6         44 PRR       Prima Biomed       \$3.2       0.7         45 LCT       Living Cell       \$3.0       0.5         46 BDM       Biodiem       \$2.9       1.0         47 NDL       NeuroDiscovery       \$2.8       Not App         48 DIA       Dia-B Tech       \$2.8       2.3         49 BOD       BioMD       \$2.7       4.8         50 IMU       Imugene       \$2.7       1.6         51 BPH       Biopharmica       \$2.7       3.1         52 CGS       Cogstate       \$2.7       1.8         53 PYC       Phylogica       \$2.6       0.9         54 MTY       Medical Therapies       \$2.4       0.9				
43 PSX       Psiron       \$3.4       0.6         44 PRR       Prima Biomed       \$3.2       0.7         45 LCT       Living Cell       \$3.0       0.5         46 BDM       Biodiem       \$2.9       1.0         47 NDL       NeuroDiscovery       \$2.8       Not App         48 DIA       Dia-B Tech       \$2.8       2.3         49 BOD       BioMD       \$2.7       4.8         50 IMU       Imugene       \$2.7       1.6         51 BPH       Biopharmica       \$2.7       3.1         52 CGS       Cogstate       \$2.7       1.8         53 PYC       Phylogica       \$2.6       0.9         54 MTY       Medical Therapies       \$2.4       0.9				
44 PRR       Prima Biomed       \$3.2       0.7         45 LCT       Living Cell       \$3.0       0.5         46 BDM       Biodiem       \$2.9       1.0         47 NDL       NeuroDiscovery       \$2.8       Not App         48 DIA       Dia-B Tech       \$2.8       2.3         49 BOD       BioMD       \$2.7       4.8         50 IMU       Imugene       \$2.7       1.6         51 BPH       Biopharmica       \$2.7       3.1         52 CGS       Cogstate       \$2.7       1.8         53 PYC       Phylogica       \$2.6       0.9         54 MTY       Medical Therapies       \$2.4       0.9				
45 LCT       Living Cell       \$3.0       0.5         46 BDM       Biodiem       \$2.9       1.0         47 NDL       NeuroDiscovery       \$2.8       Not App         48 DIA       Dia-B Tech       \$2.8       2.3         49 BOD       BioMD       \$2.7       4.8         50 IMU       Imugene       \$2.7       1.6         51 BPH       Biopharmica       \$2.7       3.1         52 CGS       Cogstate       \$2.7       1.8         53 PYC       Phylogica       \$2.6       0.9         54 MTY       Medical Therapies       \$2.4       0.9				
46 BDM       Biodiem       \$2.9       1.0         47 NDL       NeuroDiscovery       \$2.8       Not App         48 DIA       Dia-B Tech       \$2.8       2.3         49 BOD       BioMD       \$2.7       4.8         50 IMU       Imugene       \$2.7       1.6         51 BPH       Biopharmica       \$2.7       3.1         52 CGS       Cogstate       \$2.7       1.8         53 PYC       Phylogica       \$2.6       0.9         54 MTY       Medical Therapies       \$2.4       0.9				
47 NDL       NeuroDiscovery       \$2.8       Not App         48 DIA       Dia-B Tech       \$2.8       2.3         49 BOD       BioMD       \$2.7       4.8         50 IMU       Imugene       \$2.7       1.6         51 BPH       Biopharmica       \$2.7       3.1         52 CGS       Cogstate       \$2.7       1.8         53 PYC       Phylogica       \$2.6       0.9         54 MTY       Medical Therapies       \$2.4       0.9				
48 DIA       Dia-B Tech       \$2.8       2.3         49 BOD       BioMD       \$2.7       4.8         50 IMU       Imugene       \$2.7       1.6         51 BPH       Biopharmica       \$2.7       3.1         52 CGS       Cogstate       \$2.7       1.8         53 PYC       Phylogica       \$2.6       0.9         54 MTY       Medical Therapies       \$2.4       0.9				
49 BOD       BioMD       \$2.7       4.8         50 IMU       Imugene       \$2.7       1.6         51 BPH       Biopharmica       \$2.7       3.1         52 CGS       Cogstate       \$2.7       1.8         53 PYC       Phylogica       \$2.6       0.9         54 MTY       Medical Therapies       \$2.4       0.9				
50 IMU Imugene       \$2.7       1.6         51 BPH Biopharmica       \$2.7       3.1         52 CGS Cogstate       \$2.7       1.8         53 PYC Phylogica       \$2.6       0.9         54 MTY Medical Therapies       \$2.4       0.9				
51 BPH Biopharmica       \$2.7       3.1         52 CGS Cogstate       \$2.7       1.8         53 PYC Phylogica       \$2.6       0.9         54 MTY Medical Therapies       \$2.4       0.9				
52 CGS Cogstate       \$2.7       1.8         53 PYC Phylogica       \$2.6       0.9         54 MTY Medical Therapies       \$2.4       0.9	50 IIVIU			
53 PYC         Phylogica         \$2.6 <b>0.9</b> 54 MTY         Medical Therapies         \$2.4 <b>0.9</b>				
54 MTY Medical Therapies \$2.4 0.9				
55 IIVII IIVI Medical \$2.4 1.1				
	55 IIVII	iivi ivledicai	\$∠.4	1.1

Code	Company	Cash End 30/06/06 (\$M)	Survival Index
	Somnomed	\$2.3	0.6
57 GBL		\$2.2	1.8
58 ACU		\$2.1	0.2
59 BPO	BioProspect	\$1.8	2.4
60 STI	Stirling Products	\$1.8	8.0
61 CAU	Colltech	\$1.7	1.0
62 AOS	Advanced Ocular Systems	\$1.7	0.8
63 AVP	Acuron	\$1.5	0.6
64 HTX	Healthlinx	\$1.4	0.7
65 CTE	Cryosite	\$1.3	6.4
66 BLS	Biolayer	\$1.3	0.5
67 SBP	Solbec Pharm.	\$1.3	0.9
68 OMI	Occup.& Medical Innov.	\$1.2	0.6
69 SLA	Solagran	\$1.1	0.7
70 VSG		\$0.9	0.5
71 EMS	Eastland Medical Systems	\$0.9	Not App
72 SLT	Select Vaccines	\$0.9	1.4
73 BLT	Benitec	\$0.9	0.1
74 PBI	Premier Bionics	\$0.8	0.2
75 EQX	Eqitx	\$0.7	0.4
76 NAL	Norwood Abbey	\$0.7	0.0
77 RHT	Resonance Health	\$0.6	0.2
78 OBJ	OBJ	\$0.6	0.7
79 BNE	Bone Medical	\$0.5	0.2
80 RTL	RiTract	\$0.4	0.2
81 SAH	Salus Technologies	\$0.4	0.6
82 PAA	Pharmaust	\$0.3	0.1
83 PCC	Probiomics	\$0.2	0.1
84 BGN		\$0.2	0.1
85 MDM	Medical Monitors	\$0.1	0.1
86 ALT		\$0.1	0.1
87 MGZ		\$0.1	0.2
88 RBY	Rockeby Biomed	\$0.04	0.0
	Total	\$590.9	
	Average	\$6.7	1.6

Average (less top 10)

\$3.7

1.1

<sup>\*\*</sup>BZI net operational cash flow figure is nine months annualised

#### **How Bioshares Rates Stocks**

For the purpose of valuation, Bioshares divides biotech stocks into two categories. The first group are stocks with existing positive cash flows or close to producing positive cash flows. The second group are stocks without near term positive cash flows, history of losses, or at early stages of commercialisation. In this second group, which are essentially speculative propositions, *Bioshares* grades them according to relative risk within that group, to better reflect the very large spread of risk within those stocks.

#### Group A

Stocks with existing positive cash flows or close to producing positive cash flows.

CMP is 20% < Fair Value Buv Accumulate CMP is 10% < Fair Value Hold Value = CMP

Lighten CMP is 10% > Fair Value Sell CMP is 20% > Fair Value

(CMP-Current Market Price)

#### Group B

Stocks without near term positive cash flows, history of losses, or at early stages commercialisation.

#### Speculative Buy - Class A

These stocks will have more than one technology, product or investment in development, with perhaps those same technologies offering multiple opportunities. These features, coupled to the presence of alliances, partnerships and scientific advisory boards, indicate the stock is relative less risky than other biotech stocks.

#### Speculative Buy - Class B

These stocks may have more than one product or opportunity, and may even be close to market. However, they are likely to be lacking in several key areas. For example, their cash position is weak, or management or board may need strengthening.

#### Speculative Buy - Class C

These stocks generally have one product in development and lack many external validation features.

Speculative Hold - Class A or B or C

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