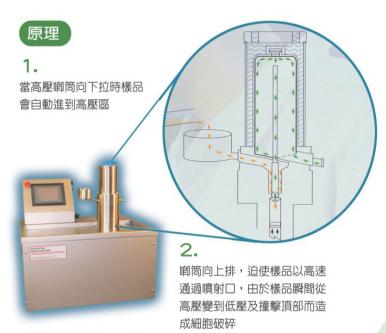
# 高壓破碎細胞的原理及效果

## Disruption Principle & Performance





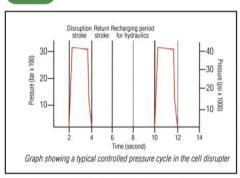
破碎的細胞在撞上冷的表面後流 到收集區,此時壓力會再被增加 重新另一循環

#### 細胞種類

Individual organisms and samples processed by Constant Cell Disrupter Systems are too numerous to mention them all, however the following lists examples:

Algae	Disruption of anabaena variables
Animal Cells	. Selective breakage of chicken sperm
Bacteria	Good enzyme activity from recombinant e. coli
	High protein recovery from mycobacterium smegmatis
Environmental	Extraction of DNA from soil bacteria
Samples	
Fungi	High specific activity of enzyme from aspergillus
(inc. yeasts)	· nidulans 90% protein release from saccharomyces
	· cerevisiae Isolation of viable single cells from calf
	spleen and lymph node
Mammalian	· Disruption of cellular and intracellular plasma
Cells and tissue	membranes from horse liver
Parasites	Breakage of cytomegalovirus in nucleus of human cells
1 drustics	Recombinant protein from <i>pichia pastoralis</i>
Plant Cells	Pectin extraction from banana fruit Strawberry leaf DNA
& Tissue	extraction
Viruses	· Isolation of membrane antigens from toxoplasma
	gondii Separation of nucleus and membrane in amni-
	otic cells

### 效果



### What our Customers Say...

Pfizer - UK
"We have been using the B-Series machine for 5 years now and find it extremely efficient at disrupting a wide range of micro organisms, from insect cells to the yeast Pichia Pastoris. I would definitely recommend it to the scientific community

National Institute of Health (NIH) - USA

We are very happy with the One Shot cell disrupter and find it to be very efficient, easy to use and gives reproducible reasults"

University of Cambridge, Department of Pharmcology - UK "The Basic Z gives us the high - quality bacterial cell extracts that we need for our research'

Tokyo University - Japan
"Our One Shot model is highly effective and easily disrupts Fungi such as Aspergillus'

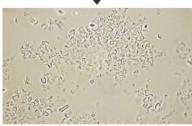
California Institute of Technology - USA

I am getting consistently good lysates that are very concentrated and perform nicely."

Smithkline Beecham - Belgium "cooling system is efficient......quick and easy to use" "the quality of extracted proteins is superior"

#### Candida Albicans Yeast form Unbroken





Candida Albicans Yeast form Broken with Constant Systems Cell Disrupter