



DETACHMENT SOLUTIONS

For Every Cell Type

RELIABLE DETACHMENT STARTS WITH THE RIGHT TOOLS

Detachment of adherent cells is a routine yet decisive step in cell culture workflows. The enzymatic and mechanical conditions during dissociation can significantly influence cell viability, surface markers, gene expression, and downstream functionality. From robust fibroblasts to sensitive stem cells, different cell types require tailored dissociation strategies.

Capricorn Scientific offers a comprehensive portfolio of detachment reagents designed to meet diverse experimental requirements – from traditional trypsin solutions to gentle, non-mammalian formulations such as Accutase™ and AccuMax™. All products are ready-to-use and suitable for research, diagnostics, and production-scale applications.

DETACHMENT SOLUTIONS: THE RIGHT CHOICE FOR YOUR CELLS

CHOOSE YOUR FORMAT:
 Trypsin solutions are available
 with or without phenol red.

	TRYPsin SOLUTION VARIANTS	Accutase™ (ACC-1B)	AccuMax™ (ACM-1)
 APPLICATION	Routine passaging of robust cell lines	Gentle detachment for sensitive cells	Stronger cell-cell dissociation incl. spheroids
ACTIVITY	Very High	Moderate	High
 NEUTRALIZATION	Required (FBS)	Not required	Not required
CELL VIABILITY	Moderate	Very High	High
 ORIGIN	Mammalian	Non-mammalian	Non-mammalian

Accutase™ and AccuMax™ are a registered trademarks of Innovative Cell Technologies, Inc.

WHY DETACHMENT STRATEGY MATTERS

Capricorn Scientific's detachment solutions are designed to meet the highest standards of consistency, safety, and performance. Each formulation is rigorously tested to ensure optimal enzymatic activity, lot-to-lot reproducibility, and compatibility with sensitive cell types.

KEY BENEFITS ACROSS THE PORTFOLIO

» Tailored activity

Gentle or strong detachment products depending on adhesion properties and sensitivity.

» Ready-to-use formulations

Sterile-filtered solutions in different variants for consistent performance.

» High viability

Preserve membrane integrity and surface proteins for downstream phenotyping or reattachment.

» Flexible scale

Suitable for seamless transition from T25 flask cultures to production bioreactors.



DID YOU KNOW?

Accutase™ and AccuMax™ are both derived from crustacean tissue but free of mammalian or bacterial components. Unlike trypsin, they auto-inhibit at 37 °C, simplifying workflows and improving reproducibility — especially valuable in high-throughput settings or sensitive cell types.

ORDER INFORMATION

PRODUCT	VOL.	CAT.NO.
Accumax Cell Detachment Solution	50 ml	ACM-1F
Accutase Cell Detachment Solution	100 ml	ACC-1B
Trypsin-EDTA (0.05 %) in DPBS (1x)	100 ml	TRY-1B
Trypsin-EDTA (0.5 %) in DPBS (10x)	100 ml	TRY-1B10
Trypsin (0.25 %) in DPBS (1x)	100 ml	TRY-2B
Trypsin (2.5 %) in DPBS (10x)	100 ml	TRY-2B10
Trypsin-EDTA (0.25 %) in HBSS (1x) with Phenol Red	100 ml	TRY-3B
Trypsin-EDTA (0.05 %) in HBSS (1x) with Phenol Red	100 ml	TRY-4B

500 ml unit sizes available on request. Contact us for more information.



SCAN FOR MORE
INFORMATION

For further support, feel free to contact our experts at techservice@capricorn-scientific.com or phone (+49 6424 944 64 0).

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