# CUTANA™ Bead Activation Buffer

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| **Catalog No** | 21-1001 | **Pack Size** | 48 Reactions |
| **Lot No** | 24165001-81 | **Applications** | CUT&RUN, CUT&Tag |

## DESCRIPTION

CUTANA™ Bead Activation Buffer is used to prepare Concanavalin A (ConA) conjugated paramagnetic beads for CUT&RUN and CUT&Tag. Activated ConA beads are used in both CUT&RUN and CUT&Tag workflows to immobilize cells or nuclei.

## TECHNICAL INFORMATION

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| **Storage** | Stable for 12 months at 4°C from date of receipt. |
| **Formulation** | 20 mM HEPES pH 7.9, 10 mM KCl, 1 mM $CaCl_2$, 1 mM $MnCl_2$. |
| **Instructions for Use** | CUTANA™ Bead Activation Buffer includes sufficient buffer for 48 CUT&RUN or CUT&Tag reactions using the CUTANA™ protocols (www.epicypher.com/protocols). |

## RECOMMENDED COMPANION PRODUCTS

| Item | Catalog No. |
|---|---|
| CUTANA™ CUT&RUN Kit | 14-1048 / 14-1048-24 |
| CUTANA™ CUT&RUN Library Prep Kit | 14-1001 / 14-1002 |
| CUTANA™ CUT&Tag Kit | 14-1102 / 14-1103 |
| CUTANA™ pAG-MNase | 15-1016 / 15-1116 |
| CUTANA™ pAG-Tn5 | 15-1017 / 15-1117 |
| CUTANA™ ConA Beads | 21-1401 / 21-1411 |
| CUTANA™ Nuclei Extraction Buffer | 21-1026 |
| CUTANA™ Stop Buffer | 21-1003 |
| CUTANA™ 5% Digitonin | 21-1004 |
| CUTANA™ *E. coli* Spike-in DNA | 18-1401 |
| Magnetic Separation Rack (0.2 mL / 1.5 mL tubes) | 10-0008 / 10-0012 |
| 8-strip 0.2 mL Tubes | 10-0009 |

## VALIDATION DATA

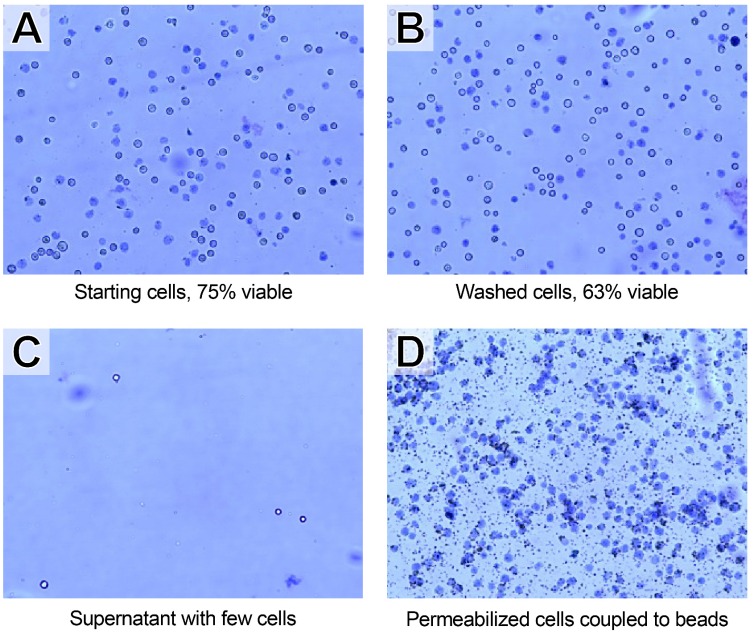


**FIGURE 1 Cell binding to activated ConA beads.** ConA beads were washed with CUTANA™ Bead Activation Buffer and loaded with K562 cells as described in the CUTANA™ CUT&RUN and CUT&Tag protocols (www.epicypher.com/protocols). Trypan Blue staining shows cells before (panels A and B) and after (C and D) bead binding. After incubation with activated beads, the supernatant contains few unbound cells (C), demonstrating efficient binding. Permeabilized cells bound to activated beads are observed in the cell-bead slurry (D).