

A practical PBA workflow for in-house EV profiling

Mouse 200 enables laboratories to perform Vesicode PBA profiling in-house, from sample preparation and EV capture through library construction and NGS.

Vesicode workflow

Day 0	Sample and EV capture plate preparation	Prepare samples and the EV capture plate.
Day 1	PBA workflow	EV capture, probe binding, PBA template attachment and proximity barcoding via DNA extension. Approximately 6 hours hands-on time.
Day 2	Library construction	Sample indexing, library amplification, pooling and purification. Approximately 4 hours hands-on time.
Day 3	Sequencing	Sequence prepared libraries by next-generation sequencing (NGS).

What the data can reveal

Molecular abundance

Compare overall target abundance across samples or conditions.

Protein co-localization

Identify surface proteins that occur together on individual EVs and explore combinatorial signatures.

EV heterogeneity

Resolve molecularly distinct EV populations and compare subpopulation patterns across samples.

Available kit configurations

Kit size	Catalog number
8 reactions	KEV0002M8
16 reactions	KEV0002M16
24 reactions	KEV0002M24
48 reactions	KEV0002M48
96 reactions	KEV0002M96

Explore the complete Mouse 200 panel

The complete Mouse 200 target list can be provided as a downloadable panel list or linked from our product page. For study design, sequencing requirements or ordering information, contact Scretech Biosciences.