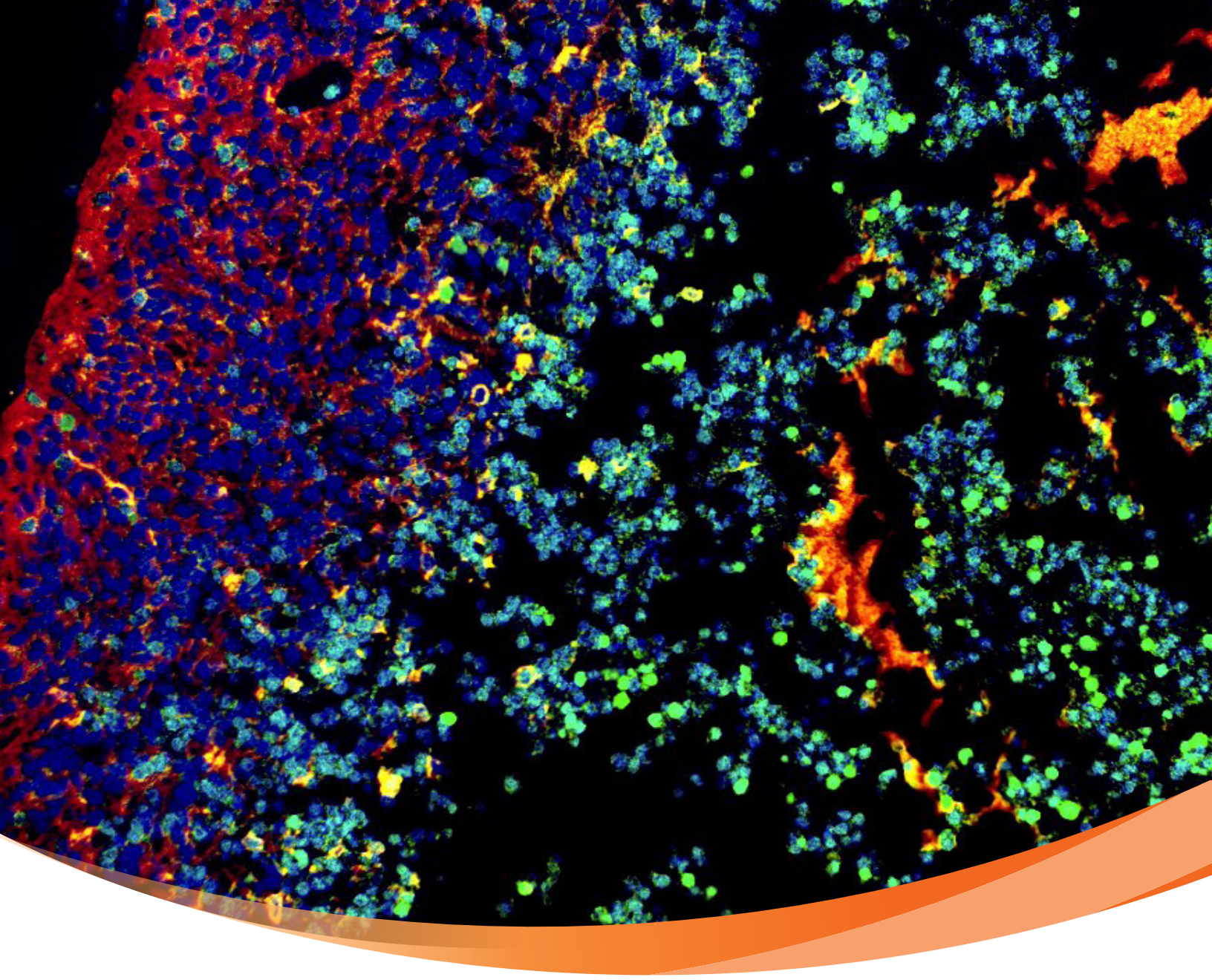




Human Brain Organoids

Region-specific models. Flexible workflows.

• 1-866-757-2414 • www.abmgood.com • order@abmgood.com

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Ready-to-Use Day 40 Human Brain Organoids for Downstream Research

Human brain organoid differentiation can require weeks of specialized cell culture before experiments can begin. **abm** supplies live, human iPSC-derived brain organoids at Day 40 in a ready-to-culture format, helping your team reduce in-house production time and focus on downstream studies.



Research-relevant models

Midbrain, Dorsal Forebrain,
Ventral Forebrain



Lot-specific quality control

qPCR & IF for regional identity

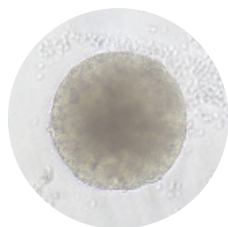


Flexible applications

Neurodevelopment, Neurotoxicity,
Drug discovery

From Human iPSCs to Your Research

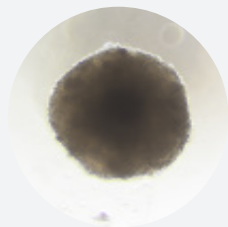
abm manages region-directed differentiation, assesses organoid quality at Day 40, and delivers live organoids ready for culture—so your team can focus on downstream research.



1

Human iPSCs

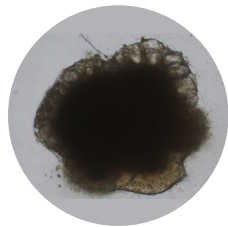
Human iPSCs are aggregated to initiate organoid generation.



2

Region-Directed Differentiation

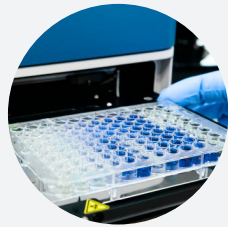
Cells are differentiated toward midbrain, dorsal forebrain, or ventral forebrain identity.



3

Day 40 Live Organoids

Regional identity is assessed by qPCR and immunofluorescence before the organoids are supplied live in a ready-to-culture format.



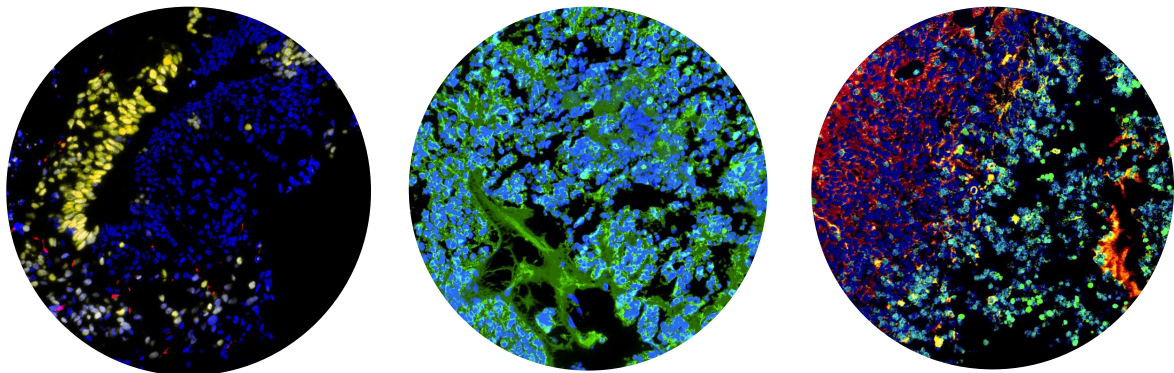
4

Your Research Begins

Use the organoids in downstream studies of neurodevelopment, neurological disease, drug discovery, or neurotoxicity.

Choose the Brain Region for Your Research

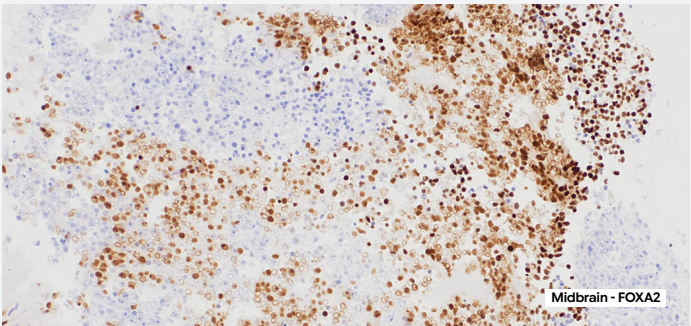
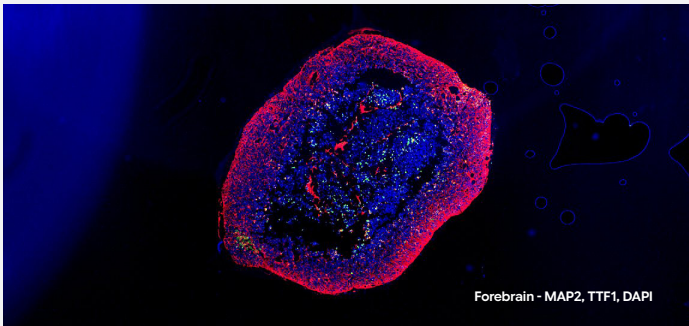
Choose from Day 40 midbrain, dorsal forebrain, and ventral forebrain organoids based on your research focus. Each model is differentiated toward a defined regional identity and supported by lot-specific quality control.



Model	Midbrain Organoids	Dorsal Forebrain Organoids	Ventral Forebrain Organoids
Cat. No.	R0500	R0501	R0502
Research Focus	Dopaminergic biology and neurodegeneration	Cortical development and neurological disease	Interneuron development and GABAergic biology
Representative Markers	FOXA2 and TH	TUJ1	NKX2.1 and MAP2
Suggested Applications	• Parkinson’s disease research • Neurodegenerative drug discovery	• Autism and schizophrenia research • CNS drug discovery	• Epilepsy research • Neurological disease modeling

Characterization of Forebrain and Midbrain Organoids

abm brain organoids express region-specific, patterned markers, enabling validation and testing across distinct brain regions.



Explore product specifications, pricing, and availability at abmgood.com/neural-brain-organoids.html



Ready-to-Use Day 40 Human Brain Organoids



Day 40 organoids
10 organoids per order



Documented QC
Markers, morphology & sterility



Ready-to-culture
Minimal setup required

Choose Your Organoid Workflow

Generate in House

Differentiation & Maintenance Media

Best for full workflow control

- Begin with your own hiPSCs or hESCs
- Adapt the workflow to your research requirements
- Generate repeated batches on your schedule
- Plan for approximately 40 days of in-house differentiation

Ready-to-Use

Day 40 Organoids

Best for a faster start to downstream research

- Receive live, differentiated organoids at Day 40
- No in-house differentiation required
- Reduce hands-on organoid production time
- Support more predictable project timelines

Featured Brain Organoid Kits and Organoids

Product	Format	Cat. No.
Midbrain		
Midbrain Organoid Differentiation Medium Kit	Kit	TM216
Midbrain Organoid Maintenance Medium Kit	Kit	TM217
Human iPSC Derived Midbrain Organoids	Day 40	R0500
Dorsal Forebrain		
Dorsal Forebrain Organoid Differentiation Medium Kit	Kit	TM226
Human iPSC Derived Dorsal Forebrain Organoids	Day 40	R0501
Forebrain Organoid Maintenance Medium Kit	Kit	TM227
Ventral Forebrain		
Human iPSC Derived Ventral Forebrain Organoids	Day 40	R0502
Forebrain Organoid Maintenance Medium Kit	Kit	TM227
Ventral Forebrain Organoid Differentiation Medium Kit	Kit	TM228
Related Products		
SpheroWell™ 6-Well ULA Plates	Case of 8	G7541
3DCellMatrix™	10 mL	TM076
StemRelease™ Dissociation Reagent	100 mL	TM097
ROCK Inhibitor Y-27632	10 mg	TM131

Ready to start at Day 40? Scan to explore our brain organoids or email europe@abmgood.com for pricing and availability.

