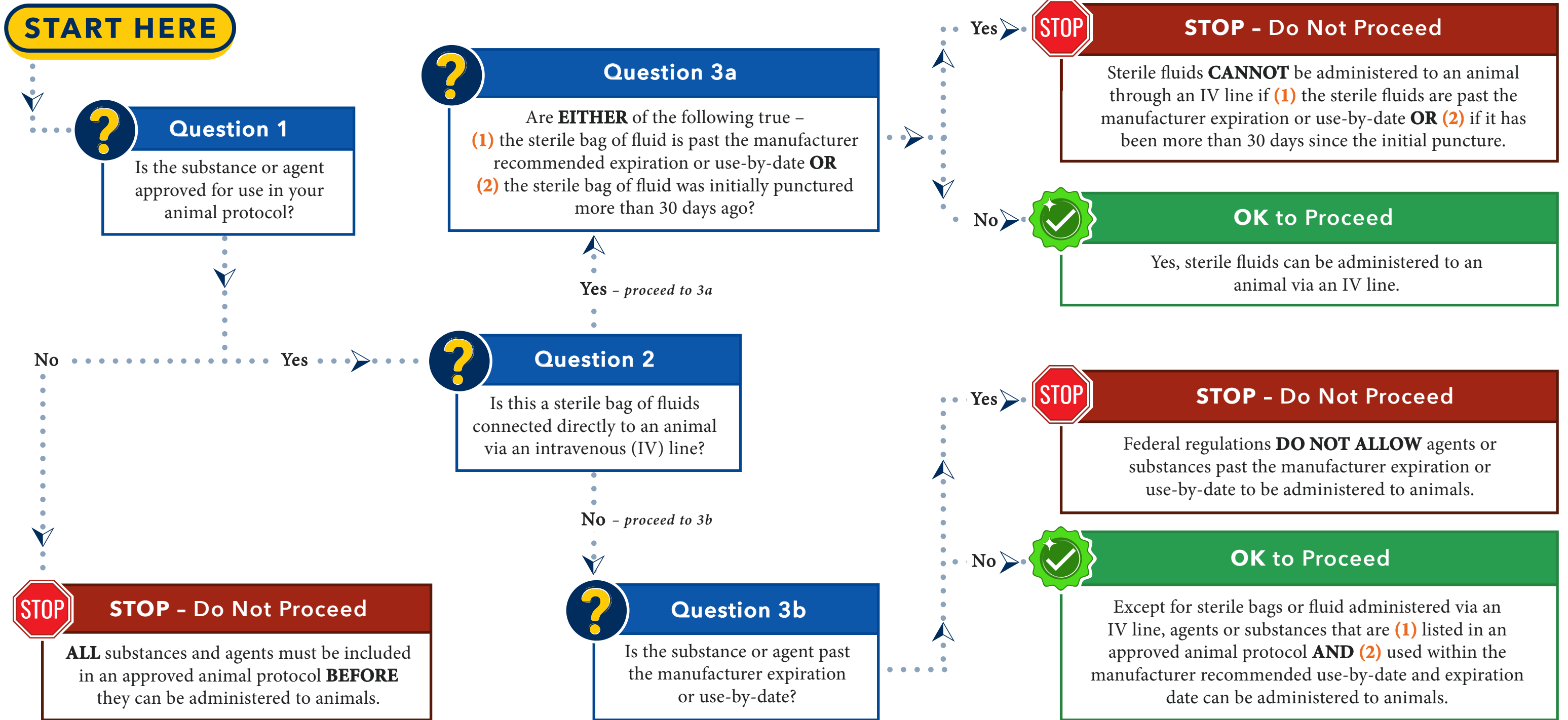## #2 SCENARIO – Administering a Substance or Agent to an Animal

The Animal Care & Use Program has created the following decision tree to help members of the U-M research community navigate the proper use of substances, agents, medical materials, and drugs with animals. Please **refer to the Animal Care A-Z website** for more information about how the terms below (e.g., substance, agent, use-by-date, expiration date, etc.) are defined for regulatory/compliance purposes.

START HERE

Question 1

Is the substance or agent approved for use in your animal protocol?

No → ... → **STOP – Do Not Proceed**

ALL substances and agents must be included in an approved animal protocol **BEFORE** they can be administered to animals.

Yes →

Question 2

Is this a sterile bag of fluids connected directly to an animal via an intravenous (IV) line?

Yes – proceed to 3a →

Question 3a

Are **EITHER** of the following true –
(1) the sterile bag of fluid is past the manufacturer recommended expiration or use-by-date **OR**
(2) the sterile bag of fluid was initially punctured more than 30 days ago?

Yes → **STOP – Do Not Proceed**

Sterile fluids **CANNOT** be administered to an animal through an IV line if **(1)** the sterile fluids are past the manufacturer expiration or use-by-date **OR (2)** if it has been more than 30 days since the initial puncture.

No → **OK to Proceed**

Yes, sterile fluids can be administered to an animal via an IV line.

No – proceed to 3b →

Question 3b

Is the substance or agent past the manufacturer expiration or use-by-date?

Yes → **STOP – Do Not Proceed**

Federal regulations **DO NOT ALLOW** agents or substances past the manufacturer expiration or use-by-date to be administered to animals.

No → **OK to Proceed**

Except for sterile bags or fluid administered via an IV line, agents or substances that are **(1)** listed in an approved animal protocol **AND (2)** used within the manufacturer recommended use-by-date and expiration date can be administered to animals.