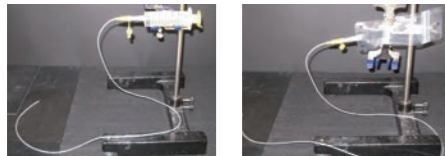


'Quick bag' is useful drug tube passing method which drugs are difficult to measure by simple suspension method

[Method] (Test No.M1 ~ M17 and T1 ~ T15)*1

Put the medicine and water (30mL, 55oC) into Dispenser or QUICK BAG, 10 minutes later to mix and check the collapse situation (QUICK BAG is crushed with finger).



- <Tablet・Capsule>
 ◎: It can be administered that crushing drug with fingers
 ☆: It can be administered that crushing drug with medicine spoon
 ○: It can be administered
 ×: Difficult administration
 △: Completely collapse states likely situation in a long time or coating residue may cause the collapse states of tube clogging

[Possibility] Representing the propriety of gavage administration

- Propriety 1: The medicine is completely collapsed 8Fr and can be passed through the tube or gastro button within 10 minutes.
 Propriety 2: It need to crush coating or capsule opening. (Other conditions are the same as propriety 1)
 Article 1: Passage conditional – The different situations of passing by tube size
 Article 2: Passage conditional – Enteric-coated tablets is can be used when tube is inserted until the intestine.
 Article 3: Passage conditional – Medicine is crushed by medicine spoon.
 Inappropriateness: Not suitable for gavage administration by simple suspension method.

*1. Test No.T1 ~ T15 : The test results that announcement of professor Chono department of pharmacy, Hokkaido College of Pharmacy in Clinical Pharmacy Forum 2014 and Additional test of our company have done together.

[Result] ※In addition to these, most drugs are available.

Test No.	Product name	Tablet coating (Dosage form)	Passage evaluation Size(Fr.)	Dispenser		QUICK BAG	
				10 min	Possibility	10 min	Possibility
M1	Plavix 25mg	Film C tablet	8	×	Inappropriateness	☆	Article 3
M2	Plavix 75mg	Film C tablet	8	×	Inappropriateness	☆	Article 3
M3	Micardis Tablets 40mg	Naked tablet	8	×	Inappropriateness	◎	Propriety 1
M4	MAINTATE Tablets 2.5mg	Naked tablet	8	×	Inappropriateness	◎	Propriety 1
M5	REZALTAS COMBINATION TABLETS LD	Film C tablet	12	×	Inappropriateness	☆	Article 1
M6	REZALTAS COMBINATION TABLETS HD	Film C tablet	12	×	Inappropriateness	☆	Article 1
M7	Allegra 60mg	Film C tablet	8	△	Article 1	◎	Propriety 1
M8	KETAS capsules 10mg	Hard capsules	8	×	Inappropriateness	◎	Propriety 1
M9	SINGULAIR Tablets 10mg	Film C tablet	8	△	Article 1	◎	Propriety 1
M10	THYRADIN-S TABLETS 50µg	Naked tablet	8	△	Article 1	◎	Propriety 1
M11	ALTAT CAPSULES 75mg	Hard capsules	12	△	Article 3	◎	Article 1
M12	Takepron capsules 15mg	Naked tablet	8	△	Article 1	◎	Propriety 1
M13	Ferrum CAPSULES 100mg	Hard capsules	8	×	Inappropriateness	◎	Propriety 1
M14	CELLCEPT 250mg	Hard capsules	8	△	Article 1	◎	Propriety 1
M15	CRAVIT TABLETS 100mg	Film C tablet	8	○	Article 1	◎	Article 3
M16	Mainheart 5(Bisoprolol Fumarate)	Naked tablet	8	×	Inappropriateness	◎	Propriety 1
M17	GLYCYRON Tablets	Dragee	8	×	Inappropriateness	☆	Article 3
T1	TAKAVENSU	Dragee	8	—	—	◎	Propriety 1
T2	TOFRANIL Tablets	Dragee	8	—	—	◎	Propriety 1
T3	LOXONIN TABLETS	Naked tablet	8	—	—	◎	Propriety 1
T4	CALBLOCK TABLETS	Naked tablet	8	—	—	◎	Propriety 1
T5	CEREKINON Tablets	Film C tablet	10	—	—	◎	Article 1
T6	NU-LOTAN Tablets	Film C tablet	8	—	—	◎	Propriety 1
T7	Neuzym	Naked tablet	8	—	—	◎	Propriety 1
T8	Panaldine	Film C tablet	8	—	—	◎	Propriety 1
T9	Farom Tab.	Film C tablet	8	—	—	◎	Propriety 1
T10	MERCAZOLE TABLETS	Dragee	8	—	—	◎	Propriety 1
T11	LIMAS tab.	Film C tablet	8	—	—	◎	Propriety 1
T12	RESLIN Tablets	Film C tablet	8	—	—	◎	Propriety 1
T13	Theodur Tablets	Naked tablet	12	—	—	◎	Article 1
T14	Takepron OD Tablets	Naked tablet	10	—	—	◎	Article 1
T15	Takepron Capsules	Hard capsules	12	—	—	◎	Article 1

High-speed dissolved injector QUICK BAG



Break the common sense of gavage administration!

Applicable to a variety of pills! Freed from the labor of the confirmation of the Handbook!
 Because of only a little working procedures, time and workload are greatly reduced!
 Next-generation suspension injector to achieve the standardization of gavage administration!

Medical staff rave reviews! Convey the user's Joy voice about QUICK BAG.

Operation time of drug crushing and exposure risk are reduced. I feel that there is great merit more than the cost. Hospital pharmacist	Quick Bag with different from the syringe, drugs can be all injection and not clogging. Orthopedics, Neurology ward, Nurse
Because of the disposable, don't worry about exposure risk of drugs when must suspend anti-cancer agent. Cancer center nurse	I think more than the syringe is simple, cheap and need not clean, it is very good! Neurosurgery ward nurse
The time of drug inquiry and confirmation is can be greatly reduced, and the efficiency of the adjustment work is saved. Hospital pharmacist	The suspending speed is fast, it can hang together with nutrition bag. The risk of drug mistake, loss and spill are reduced. ICU Nurse

~ If you are interested or questions about "QUICK BAG" Please contact us.~

MORIMOTO-PHARMA CO., LTD.
 5-8-28 Mitejima, Nishi-yodogawa-ku, Osaka 555-0012, JAPAN Tel.+81-6-6476-5473 Fax.+81-6-6476-5573
<http://www.morimoto-iyaku.jp> E-mail customer@m-ph.co.jp

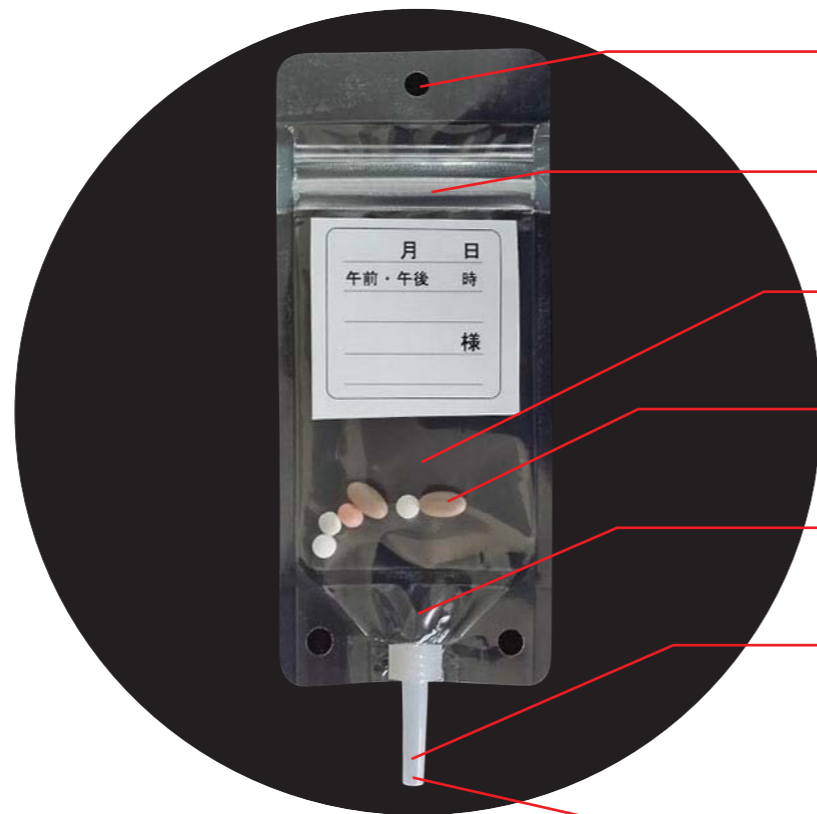


Unsuitable drugs has been achieved delivering medicine through the fingers crush within 10 minutes!

~ No hassle! No clogging! No mistakes! Economic! High-speed Simple dissolved injector 「Quick bag」 ~

In the face of all sorts of problems about gavage administration process. Syringes cleaning and drying are very time consuming. Dispensing error leads to the increased risk of administration mistake. Crushing drugs can reduce quantity of drugs. Exchange to clogged tube become the encumbrance of patients. If these are cost terms, it amounts to a substantial amount of money. If high-speed simple dissolved injector "Quick bag", Because it is disposable, cleaning and drying is no hassle. Because can confirm the suspended state to avoid tube clogging. Don't need to crush, don't have to worry about contamination. Overall consideration, the cost will be greatly reduce. Let the patient, pharmacist, nurses and hospital management to used, safety, convenient, quick and economic goods.

Overall dimension	W85×H235mm
Weight	4.6 g
Volume	60mL at the most
Heat resistance temperature of material	90℃
Retention times	5 years
Film material	Polyethylene , polyamide
Appendant	Label seal



Reassuring

Safety

Convenient

Certainty

Economic

- ① Because can be crush with fingers, unsuitable drugs of simple suspension method can also be used.
- ② Because can be crush with fingers, realize the delivering medicine within 10 minutes.
- ③ Because the disposable, safety and health.
- ④ Because it can confirm the suspension state through the eye and finger to avoid tube clogging.
- ⑤ Because of high air-tightness, the use of anti-cancer drugs become safety and reassuring.

Instruction of Quick Bag

- ① Open the zipper of inlet and put medicine into bag.
 Its interior is a dual structure, please note. Don't open outside.
 If the powder medicine, please be careful not to contact the zipper.
 Must open the zipper, please.
- ② Put the 20~30mL water (about 55℃) into the bag.
- ③ To remove the air will close the seal and place 5-10 minutes.
- ④ Please confirm the suspension state. If not collapse, crush medicine by fingers.
- ⑤ Support the connector and clutching the bag by hand, weakness stress seal is opened to inject the drug.
 Weakness stress seal is opening.
 Do not bend at the bottom of the bag, package may cause cracking and liquid leakage

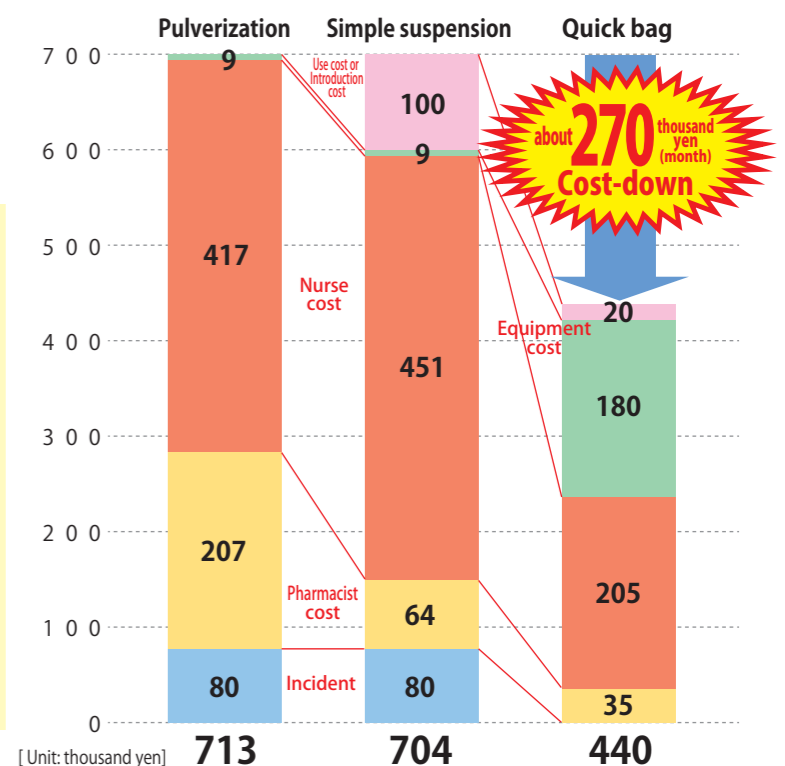
To solve all the problems in the process of gavage administration!

■ Compare the advantages of quick bag and other injector

Quick bag	①Tool A	②Tool B	③Tool C
Can be suspended Effective use of the narrow space.	Need to storage space, work space and drying machine etc.		
Easy to put in large zipper Easy to put for medicine or water.	Drop down	It is required injection work on syringe	—
Easy to observe inside Because it is transparent to confirm the suspension state.	Difficult to see	Difficult to see	Difficult to see
Can be crush drug with fingers high-speed suspension, no tube clogging.	Shake	Shake	Shake
Completely discharged Special shape design is conducive to the complete discharge of suspension.	Residue	Residue	Residue
No liquid leakage Because it have zipper and weakness stress seal, no liquid leakage	Leak	Leak	The flow back will be dangerous after the injection.
the disposable, simple and safety	①Cleaning, drying and sterilizing is time-consuming and laborious. ②Three times a day to cleaning and drying, hard to take other working time. ③Finding and confirming the patient's special syringe or other is very troublesome.		
All connector is OK Meet the Ministry of Health, Labour and Welfare's standards, can be used all female connector part.	※The eluting material test complies with plastic aqueous injection containers standard of Japanese Pharmacopoeia 7.02 [Plastic pharmaceutical containers test method] It complies with 「Standards for connection of enteral nutrition line」 of the Ministry of Health, Labour and Welfare.		

It can reduce labor costs (pharmacist, nurses). It solves incident such as Tube clogging, Drug mistakes and so on!

■ Economic effects of the quick bag introduction (one month comparison) [in the case of gavage administration patient 20 people]



【Condition】

- ◆Equipment cost :
 - ①Gavage administration patient is calculated as 20 people
 - ②Tool (syringe, etc.) is assumed to 120 yen/pieces and discarded after use one week.
 - ③Quick bag is assumed to 100 yen/pieces and disposable use.
- ◆Nurse cost : For example, confirmation, cleaning, drying and management, etc.
- ◆Pharmacist cost : For example, Dispensing, collation, crushing and one dose package, etc.
- ◆Incident : 2 times in a year, such as Tube clogging or drug mistakes, resulting in a loss of 1 million yuan.
- ◆Use cost or Introduction cost : Creating a drug list, system architecture, drying machine, etc.

※Hourly wage(2011,Basic Survey on Wage Structure by Ministry of Health, Labour and Welfare)
 Pharmacist : 2,400 yen/h=40 yen/min
 Nurse : 2,300 yen/h=38 yen/min